DVD VIDEO

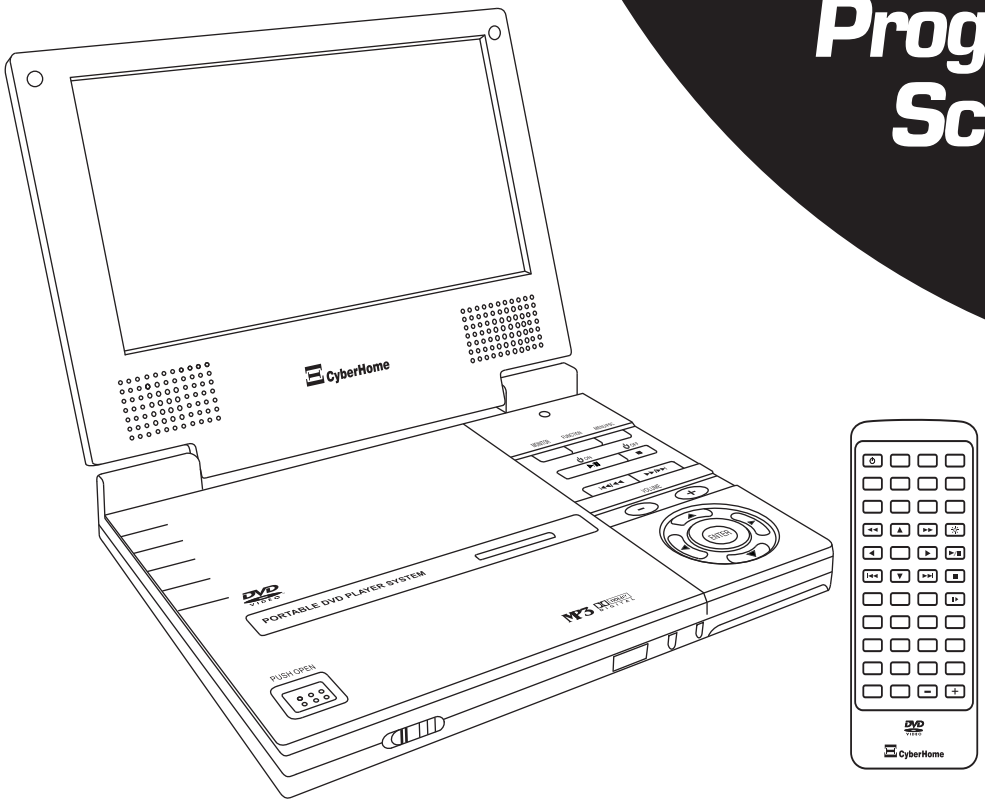
DOLBY DIGITAL

MP3

CyberHome

We bring DVD Home!

Portable DVD Player with Progressive Scan



Operation Guide

CH-LDV 707B

SAFETY INSTRUCTIONS

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER TO QUALIFIED SERVICE PERSONNEL FOR SERVICING.

Explanation of warning symbols

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of not isolated dangerous voltage within the inside of the product that may be sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and servicing instructions in the literature accompanying the appliance.

Read the following instructions carefully

WARNING: TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR ANNOYING INTERFERENCE, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE AND ONLY USE THE RECOMMENDED ACCESSORIES.

- Read these instructions - When using this unit, basic precautions outlined in this section should always be followed.
- Keep these instructions - Retain this user manual for future reference.
- Heed all warnings - Follow all warning labels on the product, and the safety instructions in this manual.
- Follow all instructions - Adhere to the instructions outlined in this manual and on the unit.
- Clean only with a dry cloth - Unplug the unit before cleaning. Do not use any liquid or detergents for cleaning.
- Do not block any ventilation opening. Install in accordance with the manufacture's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Do not defect the safety purpose of the polarized plug. A polarized plug has two blades with one wider than the other. The wide blade is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments / accessories specified by the manufacturer.
- The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.

- Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart / apparatus combination to avoid injury from tip-over.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as when the power-supply cord or plug is damaged, liquid has been spilled, objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, or when the unit does not operate normally, or has been dropped.
- Power cord protection - To avoid any malfunctions of the unit and to protect against electric shock, fire or personal injury, please observe the following:
  a) Hold the plug firmly when connecting or disconnecting the AC power cord to this unit.
  b) Do not connect or disconnect the AC power cord with wet hands.
  c) Keep the AC power cord away from heating appliances.
  d) Never put any heavy object on the AC power cord.
  e) Do not attempt to repair or reconstruct the AC power cord in any way.
- Remove dust, dirt, etc. on the plug at regular intervals.
- If the unit has been dropped or otherwise damaged, turn off the power and disconnect the AC power cord.
- If smoke, odors or noises are emitted from the unit, turn off the power and disconnect the AC power cord.
- Placement - Avoid placing the unit in areas of direct sunlight, heating radiators, closed automobiles, high temperature (over 35° C (95° F)), high humidity (over 90%), excessive dust, vibration, impact or where the surface is tilted, as the internal parts may be seriously damaged.
- Non-use periods - When the unit is not used, turn the power off.
- When the unit is unused for a long period of time, the unit should be unplugged from the household AC outlet.
- No fingers or other objects inside - Touching internal parts of this unit is dangerous and may cause serious damage to the unit. Do not attempt to disassemble the unit.
- Do not put any foreign object on the disc tray.
- Keep away from water and magnets.
- Keep the unit away from flower vases, tubs, sinks, etc. If liquids are spilled into the unit, serious damage could occur.
- Keep magnetic objects, such as speakers, distant from the player.
- Stacking - Place the unit in a horizontal position and do not place anything heavy on it.
- Do not place the unit on amplifiers or other equipment which may become hot.
- Condensation - Moisture may form on the lens in the following cases: a) immediately after a heater has been turned on b) in a steamy or very humid room c) the unit is moved from a cold environment to a warm one.
- If moisture forms inside this unit, it may not operate properly. In this case, turn off the power and wait about one hour for the moisture to evaporate.
- Noise interference while a broadcast is being received - depending on the reception condition of the TV, interference may appear on the TV screen while you are watching a TV broadcast, if the unit is switched on. This is not a malfunction of the unit or the TV. To watch a TV broadcast, turn off this unit.
- Caution - Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

SAVE THESE INSTRUCTIONS

IMPORTANT BATTERY SAFETY PRECAUTIONS

Read these instructions carefully before using the battery.

Charging

- Charging shall be less than specified 8.4 V.
- The battery should be charged within the specified temperature of 0~45° C.

Discharging

- In order to prevent over-discharging, the battery should discharge between 7.2 to 7.8 V.
- The battery should be discharged within the temperature 0~60° C.

Storage

- The battery should be stored within the temperature range of 0~60° C.
- Keep the battery terminals clean while storing.

Others

- Do not disassemble the cells and battery.
- Do not use a damaged battery.
- Do not expose the battery to fire, or throw the battery into a fire. This may cause the battery to explode.
- Use the specified charger only.
- Do not touch the battery terminals with metal objects.
- Keep out of reach of children.
- If any electrolyte contacts with your hands or clothes, wash it off thoroughly with water.
- The battery may present a risk of fire or chemical burn if misused.

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Notes on copyright

This product incorporates copyright protection technology that is protected by method claims of certain U.S. Patents and other intellectual property rights owned by Macrovision Corporation and other rights owners.
Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

‘Consumers should note that not all high definition television sets are fully compatible with this product and may cause artifacts to be displayed in the picture. In case of 525 progressive scan picture problems, it is recommended that the user switch the connection to the ‘Standard Definition’ output. If there are questions regarding our TV set compatibility with this model 525p DVD player, please contact our customer service center.’

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FEATURES

DVD to go! The CH-LDV 712 has all the advanced features of today's hottest players, in a size that fits in your hand. Take it with you wherever you go - it's perfect for the car, on the plane or anywhere you want to enjoy personal entertainment. A big 7" LCD screen gives you crystal-clear video in Widescreen 16:9 format. The screen also adjusts to fit movies recorded for standard 4:3 TV format. Built-in stereo speakers and headphones jack provide realistic sound. And best of all, a 4-hour battery gives you enough power for two full-length movies. When you're feeling like relaxing at home, connect the CH-LDV 712 to your TV and Home Theater System - it functions just like a conventional home DVD Player, complete with Remote Control. Video and Audio cables are provided so you can quickly take advantange of the 712's Progressive Scan Video and Digital Audio out.

- Progressive Scan Video with 3:2 pulldown.
- Plays DVD, VCD, CD-ROM, MP3, JPG and other disc types.
- Component Video, S-Video and Composite Video Outputs.
- Stereo Audio out and Optical digital outputs.
- Advanced playback functions: Slow playback, repeat playback, parental control, MP3 player, JPG player, screen saver, Zoom In/Out, track selection, on-screen display and more.

DISC COMPATIBILITY / CARE

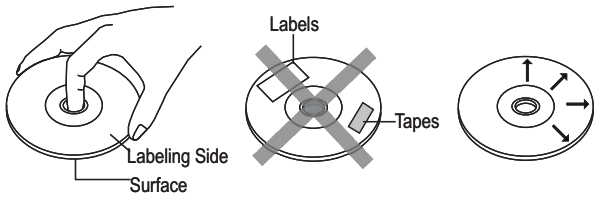
Optical disc compatibility

- This unit plays DVDs recorded for a particular region for for ALL regions.
- The region mark on the back of the player must correspond to that of any DVD discs you wish to play. Alternatively, discs marked ALL will play. Units sold in North America are coded for Region 1.

- This unit supports CD-R/RW discs recorded with MP3 or JPG files, and VCD format.
- MP3 files must be named with the extension ".MP3"
- JPG files must be named with the extension ".JPG"
- JPG images must be saved with "standard" encoding, rather than "progressive" encoding.
- Discs created with personal computers may have problems playing due to differences in recording software settings, disc formats and other factors.

Caring for Optical Discs

- Hold a disc by the rim or with an index finger in the central hole. Never touch the signal surface.
- Finger prints or stains on the surface of the disc may cause signal loss.
- Use a soft cloth and wipe in a radiating manner from the center of the disc to the outer rims when cleaning the disc surface.
- Never add labels or adhesive tapes on the discs and be careful not to scratch or damage the disc surface.
- To prevent discs from becoming bent or deformed, they should be vertically kept in the disc storage case. To prevent damage, avoid leaving discs in your car, where they may be subject to direct sunlight and high temperature.
- Do not use any disc accessory to improve the audio quality, disc protective solutions or lens cleaner. These products may damage the disc surface.

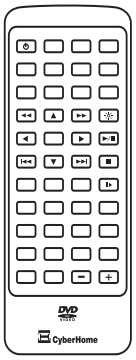


GETTING STARTED

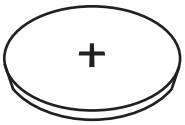
Make sure the package contents are complete

In addition to the DVD player, your package should contain the following accessories. Check the contents of the package carefully, as some items may be located under the packing foam.

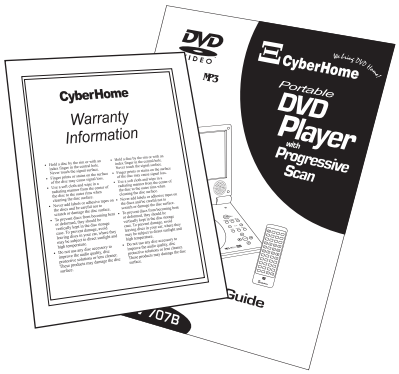
Remote control



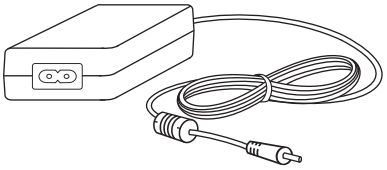
Remote Control Battery



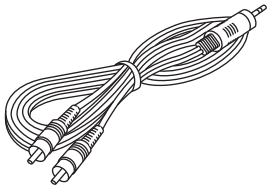
This Operation Manual and Warranty Card



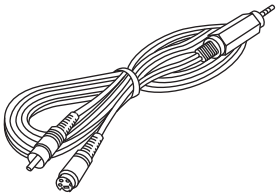
AC Power Converter



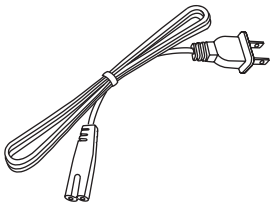
Stereo Audio Cable (Analog Stereo)



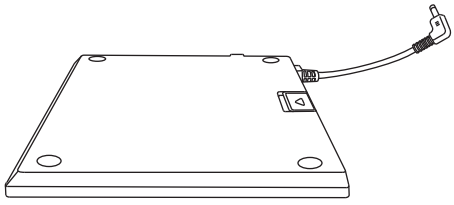
Composite / S-Video Cable



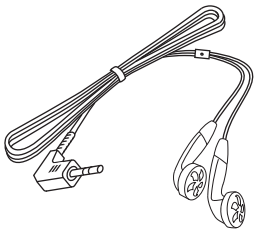
Power cord



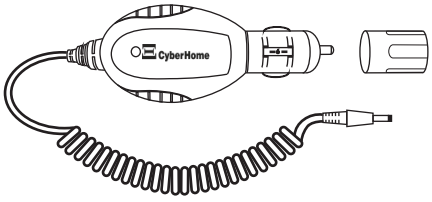
External Battery



Earphones

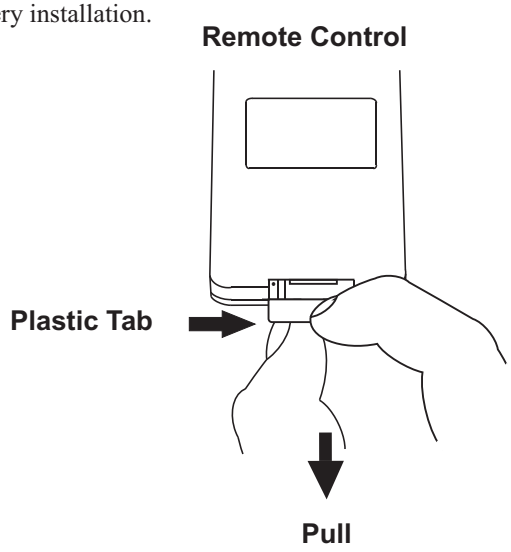


Car Adapter



To use the remote control

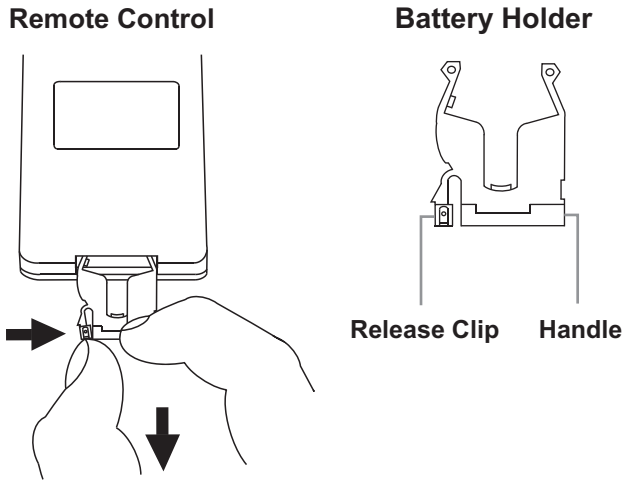
The DVD player comes complete with a remote control. Just pull the plastic tab in the remote control to activate the battery. The plastic tab - which covers the battery terminals - extends the life of the battery. *Please note that some models will not include this plastic tab. If so please refer to the next section for battery installation.



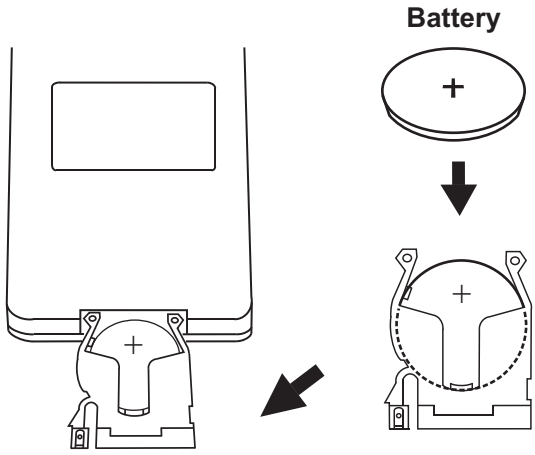
Replacing the remote control battery

To replace the remote control's battery, the battery holder must be removed. Be sure to take note of the polarity marking on the battery. The " + " side must face the bottom of the remote (the side without any buttons).

1 **To access the Battery, remove the Battery Holder from the remote control. To remove the battery holder, use your thumbnail to squeeze the Release Clip in toward the center, while simultaneously pulling the Handle out with your index fingernail, as depicted below:**

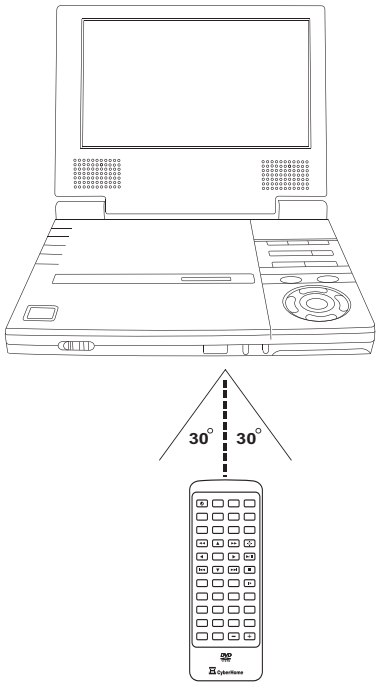


2 **Place the battery into the holder as pictured below with the POSITIVE SIDE (marked on Battery as " +") facing upwards and insert into the remote control to complete the battery installation.**



Operating the remote control

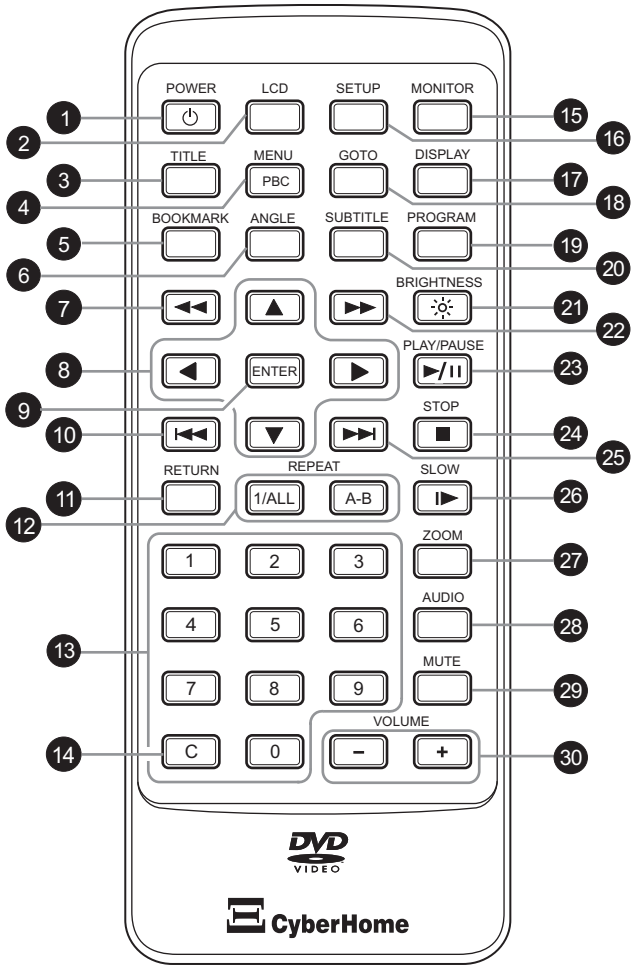
When using the remote control, be sure to stay within a 30 degree angle of the sensor on the receiver. Keep in mind that any obstructions between the remote control and the receiver will affect performance.



Notes on battery

- If the remote control functions better when it is closer to the unit, the battery may be running low.
- In case of any leakage from the battery, dispose of the battery right away and avoid touching the chemical discharge. Make sure to clean the remote control's battery compartment before installing a new battery.

REMOTE CONTROL FUNCTIONS



1 POWER
Turns the DVD player on or off.

2 LCD
Press to cycle through and select the display mode you wish, includes full, wide, normal or off.

3 TITLE
Accesses Menus on DVD Discs. With VCD discs, turns the PBC function On/Off.

4 MENU / PBC
Accesses the Title menu on DVD Discs.

5 BOOKMARK
Press to store the current point on the disc as a bookmark that can be accessed quickly without searching.

6 ANGLE
Selects between the multiple angle views on supported DVD's.

7 FAST REVERSE
Scan in fast reverse on DVD's and other discs.

8 ARROWS
Use to navigate disc menus, on-screen setup menu, etc.

9 ENTER
Selects options in menus.

10 SKIP PREVIOUS
Press to skip to the previous chapter or track.

11 RETURN
Returns to the previous menu accessed in DVD mode.

12 REPEAT 1/ALL, A-B
Used with DVD discs, 1/ALL repeats a chapter, title or disc. A-B sets the beginning and ending of a time segment to repeat.

13 NUMBER KEYS
Use to enter numeric values when using GOTO and more.

14 CLEAR
Clears input when entering values.

15 MONITOR
Use to switch between selectable video input / output. Includes regular unit viewing, unit to external monitor and composite input from external device.

16 SETUP
Accesses the on-screen Setup Menu for settings adjustment.

17 DISPLAY
Shows the elapsed time and other information during playback of a disc.

18 GOTO
Press to navigate to a specific chapter. Follow with corresponding number key.

19 PROGRAM
Create a custom play list of selected tracks and sequence.

20 SUBTITLE
Selects available subtitles on DVD.

21 BRIGHTNESS
Use to adjust the brightness level.

22 FAST FORWARD
Scan in fast forward on DVD's and other discs.

23 PLAY/PAUSE
Use to play a disc, chapter or track. Press to pause audio track play or video to a still frame. Press again to advance frame by frame (DVD) or resume playback (Audio CD).

24 STOP
Press once to stop current disc play but holds resume location. Press again to completely stop play - also required for some setup functions.

25 SKIP NEXT
Press to skip to the next chapter or track.

26 SLOW
Press to advance slow.

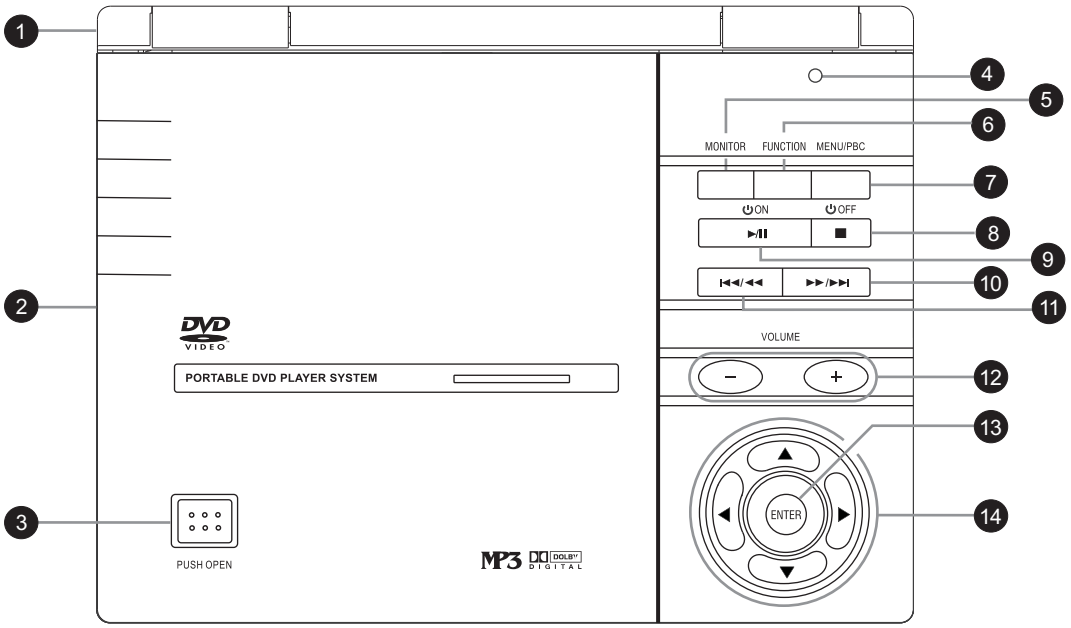
27 ZOOM
Press to magnify and shrink the screen with DVD discs.

28 AUDIO
Selects an audio track on DVD or VCD discs.

29 MUTE
To turn off sound. Press again to turn sound back on.

30 VOLUME
Press the " + " key to increase the volume level and "- " key to decrease.

FRONT PANEL FUNCTIONS



1 LCD SCREEN
The DVD Player's LCD Screen.

2 DISC DOOR
Open to access the disc tray.

3 DISC DOOR BUTTON
Push to open the disc door.

4 LCD BUTTON
Closing the LCD screen activates this button to turn off the LCD screen.

5 MONITOR
Use to change to various Audio Video Input/Ouput modes.

6 FUNCTION
Press to enter the Function Menu to control options such as battery status.

7 MENU / PBC
With optical discs, press to access the root menu.

8 OFF
Use this button to power OFF the unit.

9 PLAY / PAUSE / ON
Multifunction button controls the play, pause and power ON function.

10 NEXT / FAST FORWARD
Press to advance to the next chapter or track.

11 PREVIOUS / FAST REVERSE
Press to return to the previous chapter or track

12 VOLUME
Use the '+' or '-' buttons to control the volume level during playback.

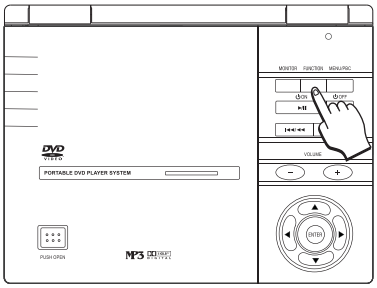
13 ENTER
Use to select options in menus.

14 ARROW BUTTONS
Use to navigate disc menus, on-screen setup menu, etc.

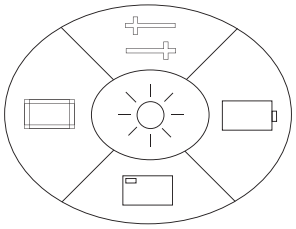
Using the function menu

The Function key - located on the front panel of the unit - allows you to access various functions including the Setup Menu and battery status among others.

1 **Press the Function Key on the front panel of the unit to access the on-screen Function Menu. The Function menu will automatically disappear from the screen after 10 seconds of inactivity.**



FUNCTION



Function Menu

2 **Use the Arrow Keys on the front panel of the unit or the remote control to navigate the Function Menu. The available options include ;**

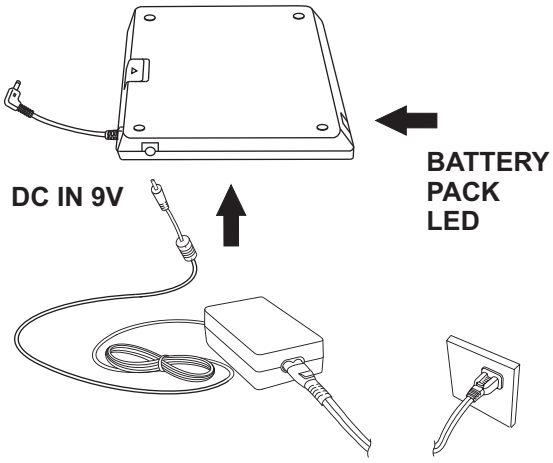
- Battery status
- Setup Menu
- LCD Monitor Mode
- Brightness Level Adjustment
- Display Menu

EXTERNAL BATTERY PACK

Preparing the external battery pack for use

The DVD player comes complete with an external battery pack to allow playback without any AC power source.

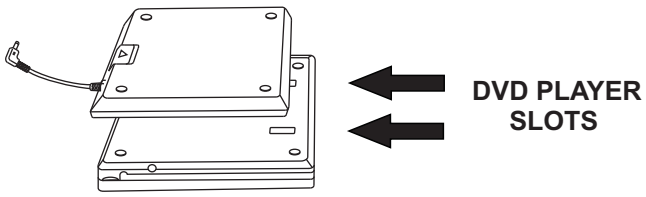
1 **Before using the battery pack the first time, you must first charge it. Connect the battery pack to the AC adapter as shown below. The LED will turn green when fully charged.**



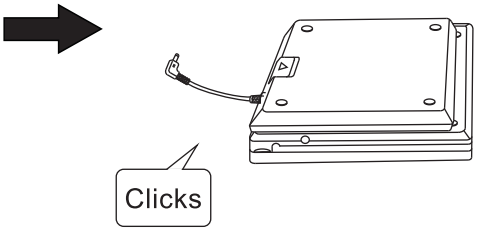
Using the battery pack

Attaching the battery pack to the DVD player is an easy few steps.

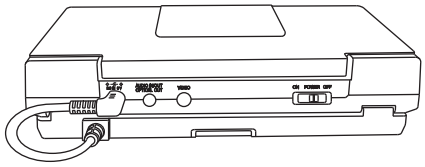
1 **Turn the unit upside down. Align the battery pack's guides to the unit's slots.**



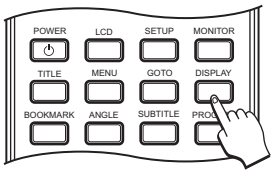
2 **To secure the battery pack to the unit, ensure the battery pack locks onto the unit. To lock the battery pack into place, gently slide the battery pack toward the front on the unit until there is an audible click.**



3 **Plug battery pack's power plug firmly into the unit's power jack as shown below.**



4 **Press the Display key on the remote control to check the battery pack status.**

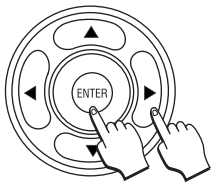


OR

If the remote control is not handy, press the FUNCTION button on the front panel of the player to bring up the FUNCTION MENU.

FUNCTION MENU

Press the RIGHT ARROW button, then press the ENTER button to confirm the Battery Menu selection from the FUNCTION Menu. Use the table below as a guide to the current battery pack status. If the front panel power indicator is blinking, the battery pack has less than 10 minutes of charge remaining.

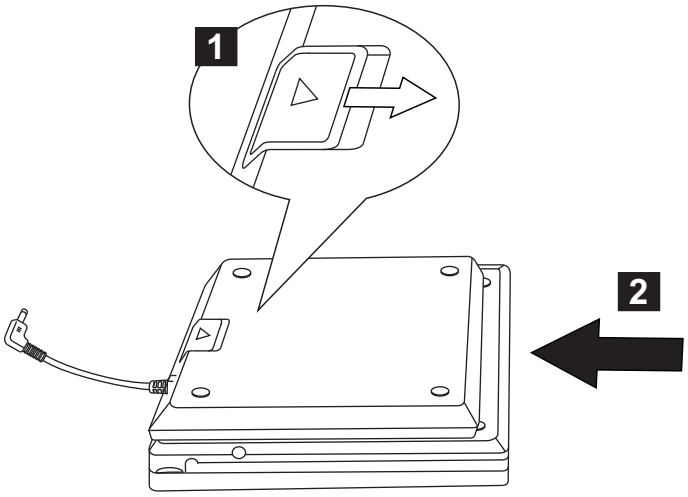


100%	**Fully Charged**
70%	**Three Fourth Charge Reminding**
50%	**Remaining Charge is getting low**
20%	**Almost out of Power**

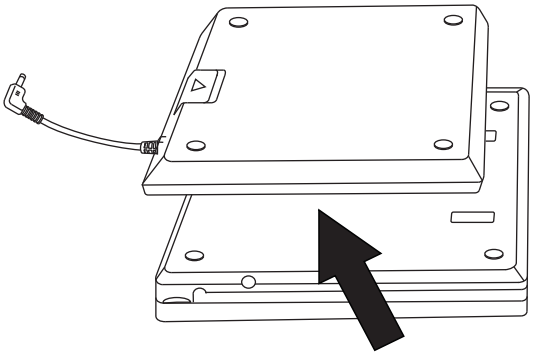
Detaching the external battery pack

Detach the battery pack from the DVD player if you will be storing the unit for an extended period of time. The unit will continue to consume power while the battery pack is attached and turned off. Over discharge of the battery pack will lead to reduced service life time. Ensure the unit is turned off before detaching the battery pack.

1 **Slide the latch toward the front of the unit. Hold the tab in this position.**



2 **Gently slide the battery pack towards the back of the unit. Lift the battery pack from your unit.**



2

Lift battery pack upwards and away from the unit.

! Important

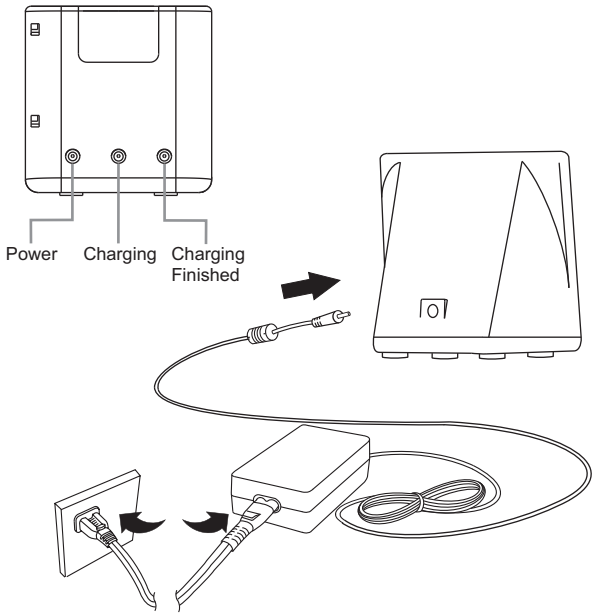
- **Recharge your battery pack when the battery status is less than 25%.**
- **Unnecessary charging will reduce the battery pack service lifetime.**
- **When the battery pack is being charged, the LED will glow red.**
- **After successfully charging the battery pack, the LED will glow green.**
- **The time to charge the battery pack is normally 2.5 to 3.5 hours. Do not overcharge under any circumstances.**

INTERNAL BATTERY PACK (OPTIONAL)

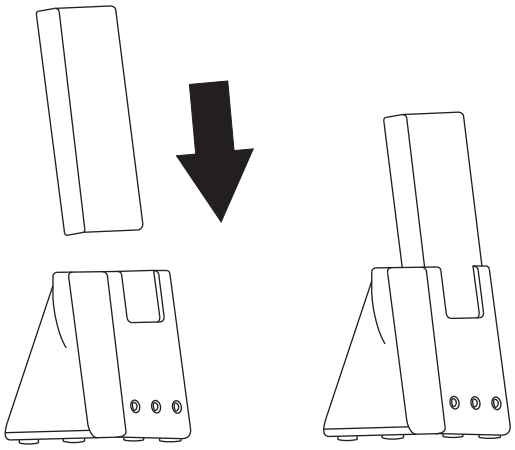
Preparing the internal battery

The optional Internal Battery Pack extends the playing time by over an hour. The optional internal battery pack must be charged with the charger before use.

1 **Before using the battery pack the first time, you must first charge it. Connect the AC adapter to the internal battery charger as shown below. The POWER LED indicator is illuminated red.**



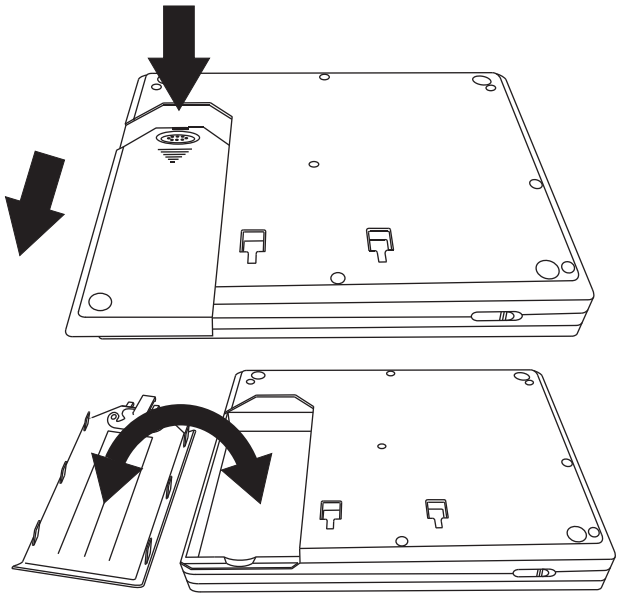
2 **Insert the internal battery into the charger as shown below. The CHARGING LED will glow red indicating that charging has begun. When the CHARGING FINISHED LED turns green, the charging cycle has been completed.**



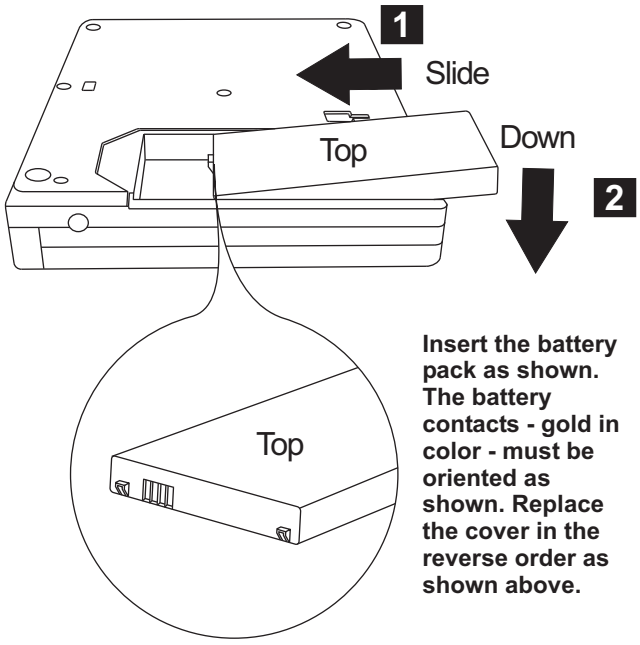
Installing the Internal battery pack

This battery must be charged *before* installation.

1 **Turn the DVD player upside down as shown below. To remove the battery door, press the tab to disengage the lock. Slide the battery door downward.**



2 **Insert the charged battery pack into the unit's battery bay. Slide the battery pack towards the back of the unit. Gently press the back end of the battery pack downwards.**

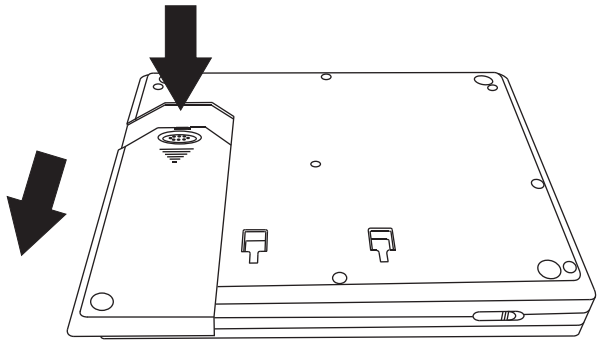


Insert the battery pack as shown. The battery contacts - gold in color - must be oriented as shown. Replace the cover in the reverse order as shown above.

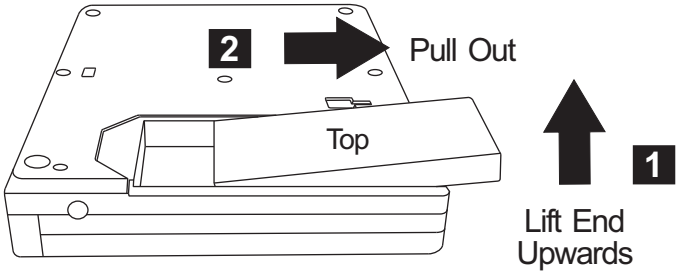
Detaching the internal battery pack

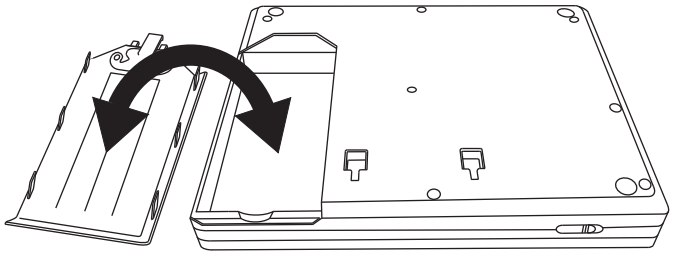
Removal of the battery pack from your unit for recharging is the reverse of installation.

1 **Turn the DVD player upside down as shown below. To remove the battery door, press the tab to disengage the lock. Slide the battery door downward and off.**



2 **Gently lift up the back end of the battery pack. Remove the battery pack from your unit. Replace the battery compartment cover back onto the unit.**

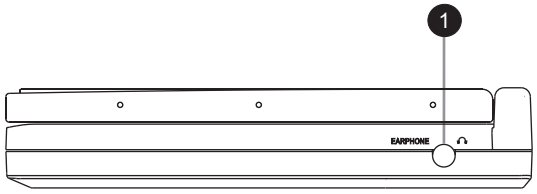




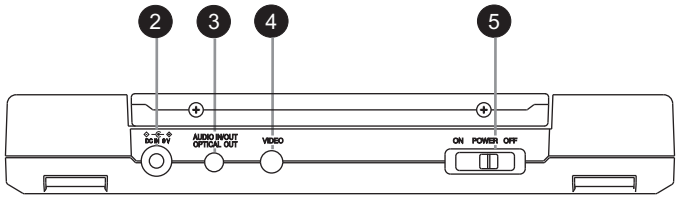
! *Important*

- **Recharge your battery pack when the battery status is less than 25%.**
- **Unnecessary charging will reduce the battery pack service lifetime.**

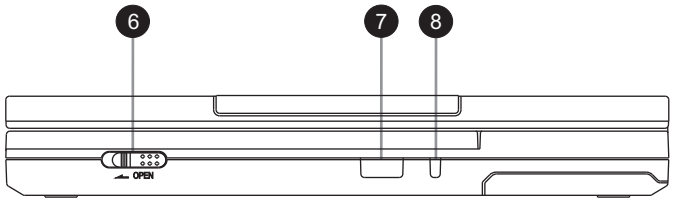
DVD PLAYER CONNECTIONS



Right Side



Rear Panel



Front Panel

1 EARPHONE JACK
Connect to the included earphones for a private listening environment.

2 POWER CORD SOCKET - DC IN 9V
Main power socket for the unit. Connect to the car adapter or AC power adapter.

3 AUDIO IN / OUT - OPTICAL DIGITAL IN / OUT
Use the provided analog stereo INPUT / OUTPUT cable to make a connection between the unit and an audio output device. The most common connection made is to a TV. You can also use a mini - optical cable (not included), to connect to a receiver or other device with a 5.1 channel decoder. This is a coded digital signal.

4 VIDEO IN / OUT
Able to support Component, S-Video or Composite video INPUT / OUTPUT for TVs with matching input. Use the provided video cables for this connection.

5 POWER SWITCH
Main power to the unit. Must be 'ON' to power on the unit from the top panel or remote control.

6 LCD SCREEN RELEASE LATCH
Slide release hatch in the direction of the arrow to release the LCD screen locking mechanism.

7 REMOTE CONTROL RECEIVER
The remote control receiver for the unit. Keep the receiver free from obstructions to allow for proper operation.

8 STATUS LED
The Status LED will change colors when selecting the various video modes.

USING DVD PLAYER CONNECTIONS

Using the car adapter

The DVD player comes complete with a car adapter to connect to your car's power receptacle.

1 **To use the car adapter in your vehicle, simply plug in the car adapter into the car's power receptacle as depicted below and the other end into the unit's 'DC IN 9V' connector.**

! Important

- **Do not operate the unit or view the video output while operating a motor vehicle.**
- **Place the unit in a secure position before operating the vehicle.**
- **Do not use the car adapter to charge the battery pack.**
- **The car adapter can only be used during playback of discs.**

Using the earphones

The DVD player comes complete with earphones when you prefer a private listening environment.

1 **Insert the earphones into the earphone jack on the right side of the unit. Adjust the volume level with the volume "+" or "-" keys on the remote control or front panel to a low output level. Place the earphone buds into your ear. Increase the volume to your desired volume level.**

! Important

- **Excessive loud usage of headphones could cause damage to your hearing.**
- **Turn down the volume before connecting to the unit, then raise the volume level to your comfort level.**
- **No sound will come out from the unit's speakers once the headphones are connected.**

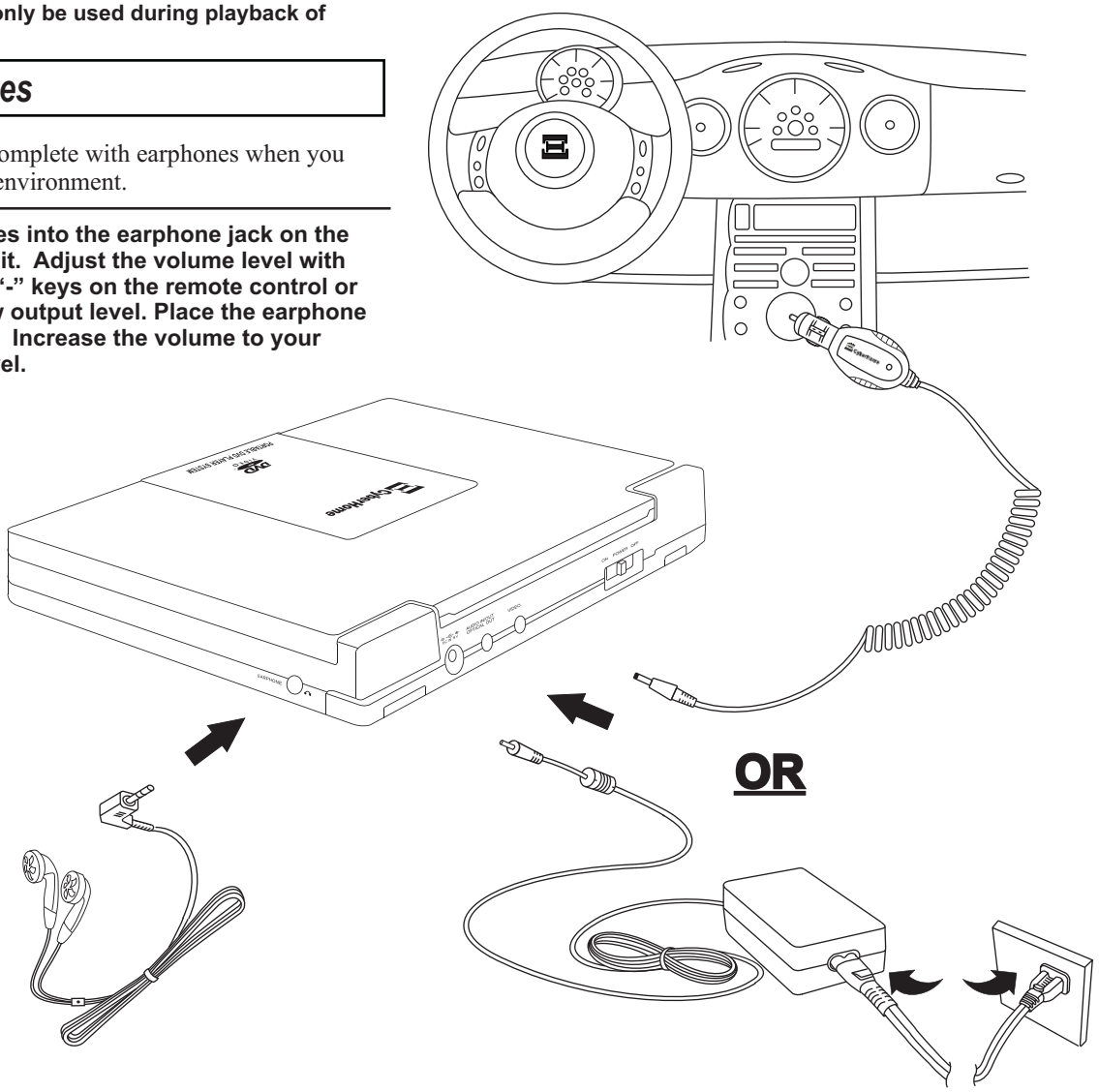
Using the power adapter

The DVD player comes complete with a power adapter to charge the battery pack or to power the unit when attached to an AC wall outlet.

1 **To use the power adapter, simply connect the appropriate end into an electrical wall outlet as depicted below and the other end into the unit's "DC IN 9V' connector.**

! Important

- **Once power is applied, with the POWER button set to ON, the unit will be in STANDBY Mode.**
- **Unplug from the AC outlet when the unit is in storage.**
- **Remove the battery pack when using the AC adapter.**



AUDIO / VIDEO CONNECTIONS

Connecting the video output to your TV

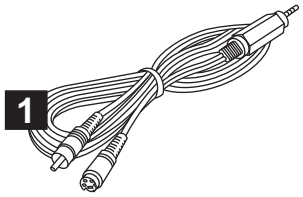
In order to use this DVD player with your TV, a few cable connections are necessary. The capabilities of your TV will determine the connections you can use. There are 3 possible connection types:

- Composite Video - The most widely used connection.
- S-Video - A higher quality connection that requires the provided S-Video connector and an S-Video capable TV.
- Component Video - The highest quality video connection, supported on high-end televisions. Cable is not included.

Composite Video (Typical connection)

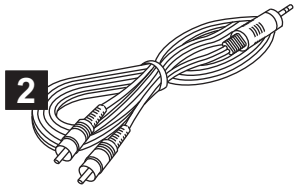
Use the Composite / S - Video and Stereo Audio cable for connection to TVs with a standard video input as shown below. This is the most widely used type of connection on TV's. The composite connector is colored yellow, and is normally accompanied by stereo audio inputs, colored red and white for stereo channels right and left, respectively.

1 **First, use the supplied Composite / S - Video cable to connect to the composite video input on your TV. This is normally a yellow-colored connector that matches the video output on the back of this unit.**

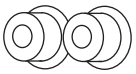


Composite / S - Video Cable

Composite Video Input Jack



Analog Stereo Cable



Stereo Audio Input Jacks

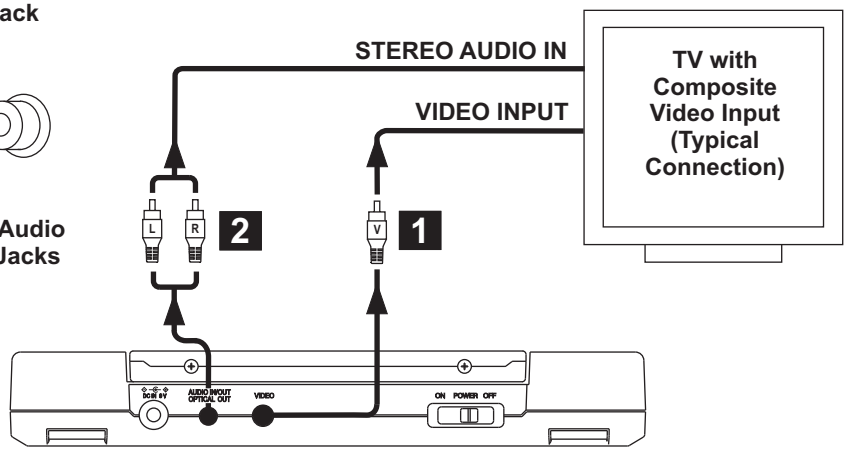
2 **If you wish to hear sound through the TV, connect the included red and white analog stereo cable.**

3 **Turn on the TV and DVD Player.**

4 **On your TV, select the video input. This is normally done by selecting "Video 1" or "Video Input" with the remote control. On some TVs, this is done by selecting a particular channel.**

5 **Press the "Monitor" key on the front panel of the DVD player one time to change the video output mode.**

6 **You should now see the DVD players' splash screen on the TV.**

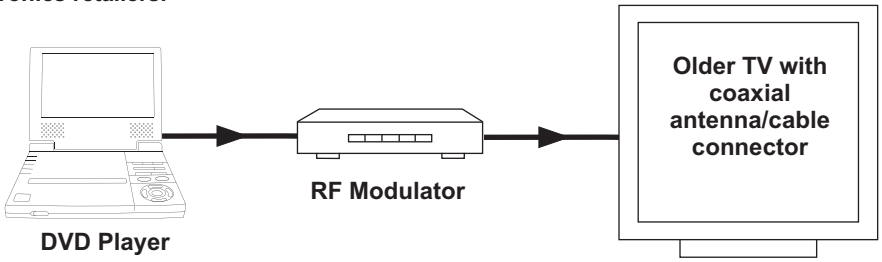


Rear Panel

! *Important note for older TV models*

If your TV does not have a composite video-in jack like that pictured above, you cannot connect this unit directly. If this is the case, check to make sure your TV has at least a coaxial connector (used for antenna/cable TV/VCR/etc.) such as that pictured to the right. If this is the case, you can use an *RF Modulator* to convert this unit's video out to the coaxial connection on your TV. RF Modulators are available at major electronics retailers.

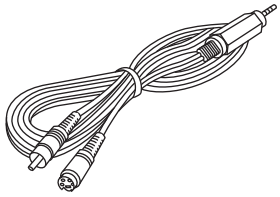
Antenna/cable TV coaxial connector on older TVs



S-Video

This is a higher quality connection than standard composite video. The S-Video connector is distinguishable by its 4 pins, as shown below. If your TV has an S-Video input, it's recommended that you use this type of connection for better picture quality.

1 **Connect the Composite / S-Video cable to the unit's Video Out and the black S-Video connector to the corresponding input on your TV.**



S-Video Cable

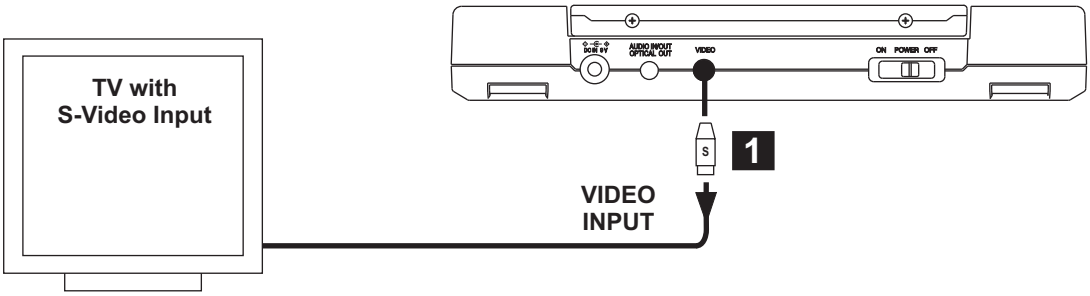
S-Video Input Jack

2 **Turn on the DVD Player.**

3 **On your TV, select the S-Video input. This is normally done by selecting "Video 2" or "AV2" with the remote control. On some TVs, this is done by selecting a particular channel.**

4 **Press the "Monitor" key on the front panel of the DVD player once to change the video output selection.**

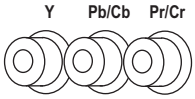
5 **You should now see the DVD players' splash screen on the TV.**



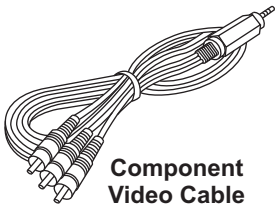
Component Video & Progressive Scan

The highest quality video connection, component video requires the Component Video Cable, sold separately, with separate connectors for the Y, Pb/Cb, and Pr/Cr signals. To use the progressive scan option on this unit, you'll need to use the component video output. Using the component video output requires these steps:

1 **Obtain the Component Video cable, not included, and connect to the component video input on your TV as shown below. On your TV, select the Component input. This is normally done by selecting "Video 2" or "AV2" with the remote control. On some TVs, this is done by selecting a particular channel.**

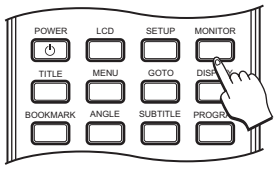


Component Video Input Jacks

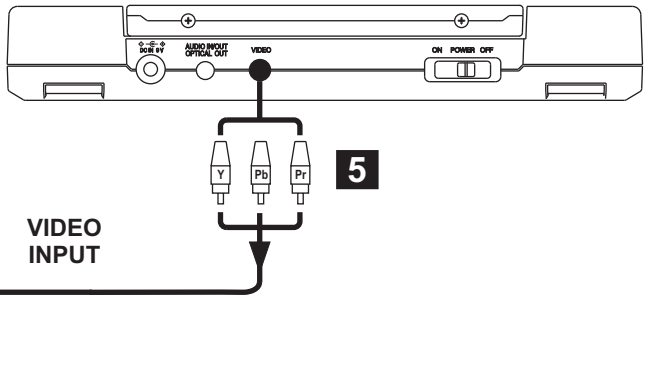


Component Video Cable (not included)

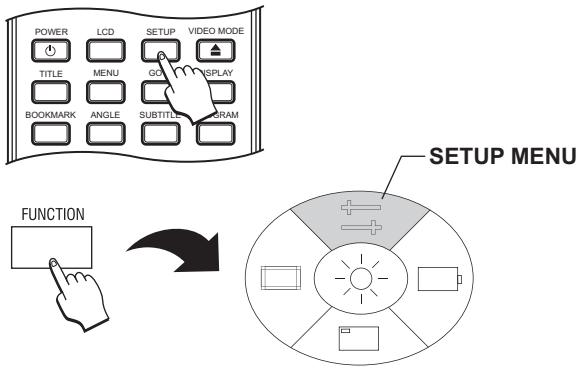
2 **Press the MONITOR button to switch the Video Output to your TV. The color of the picture on the TV will be of a RED TINT. This is expected. Proceed to the next step.**



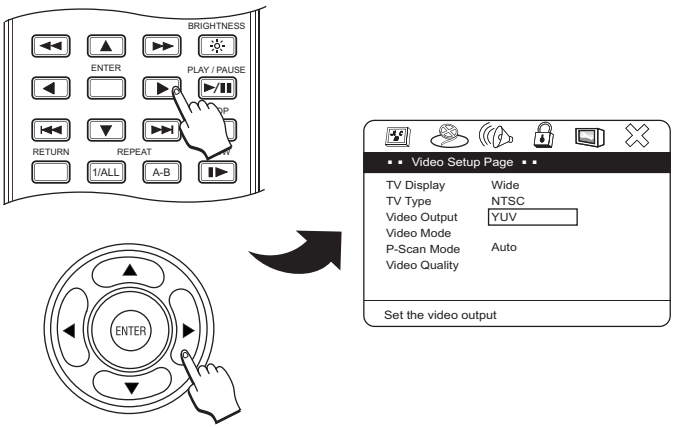
MONITOR



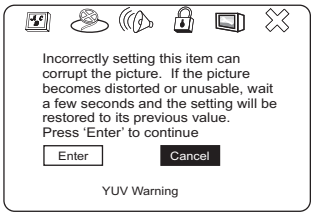
3 **Press the SETUP key on the remote control or enter the FUNCTION Menu from the front panel to access the Setup Menu.**



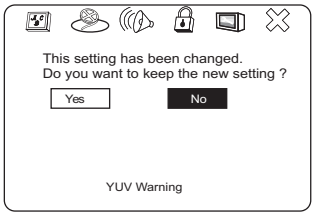
4 **Use the arrow keys to navigate to the Video Setup page. Change the VIDEO OUTPUT setting under VIDEO SETTINGS to YUV. Press ENTER to confirm.**



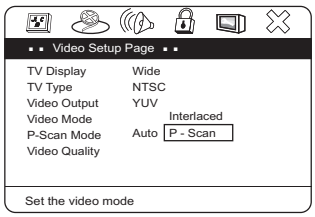
5 **At this time you will be prompted to confirm this change. Press the LEFT ARROW key once to select 'Enter' and then press the ENTER key to confirm.**



6 **You will be prompted a second time to confirm your selection. Press the LEFT ARROW key once to select 'Yes' then press the ENTER key on the remote control to confirm your selection. You must respond within 4 seconds to this prompt otherwise it will disappear from the screen. If this occurs, please return to step 3 and restart these steps.**



7 **If you are using a Progressive Scan TV, change the VIDEO MODE to P-SCAN. At this time you will repeat steps #5 and #6 to confirm this change. In each case, press the LEFT ARROW key once and press ENTER each time to confirm your selection.**



! *Resetting the video output*

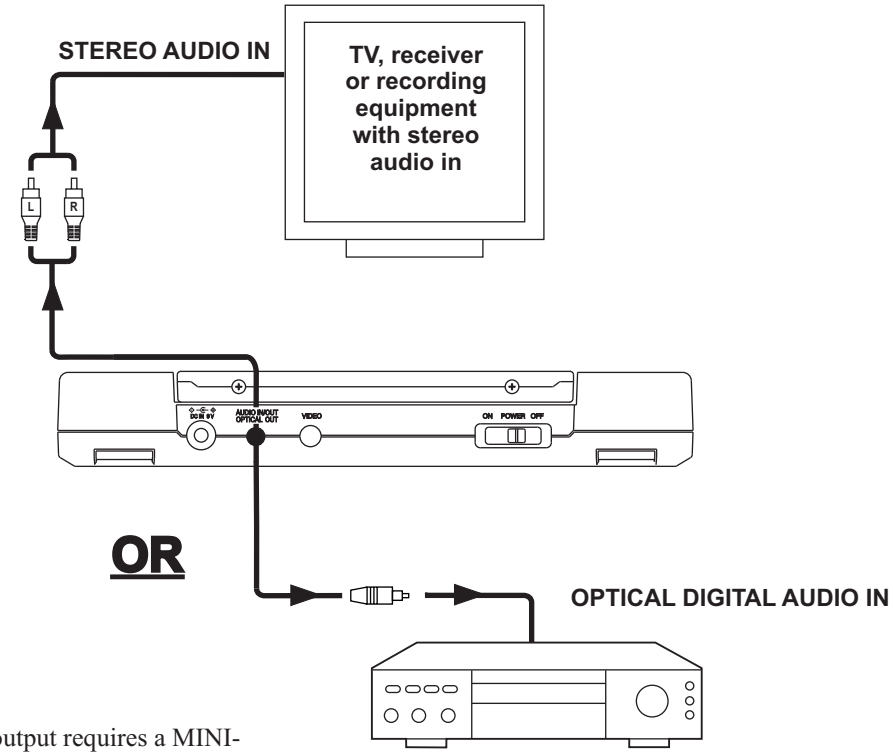
If the VIDEO MODE setting in the setup is set to P-SCAN but you are not using a progressive scan-capable TV, you will loose video. If this happens, reset the video to the default *Interlaced* mode, which is used by most TVs.

To reset the TV MODE, press "DISPLAY - 1 - 2 - 3" on the remote control.

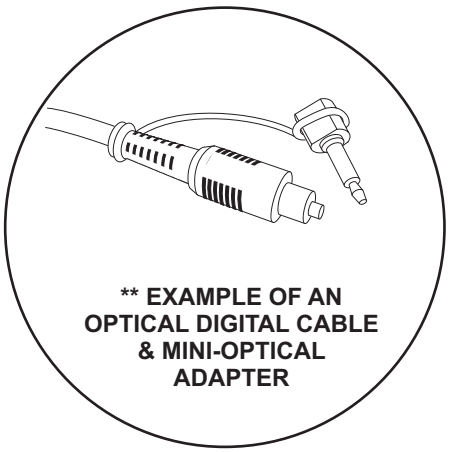
Audio Output Connections

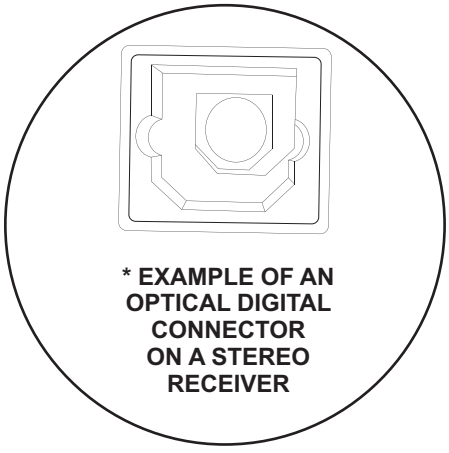
The DVD player features a variety of audio line outputs for connection to a TV or receiver.

- If you are using only your Television for sound, connect the Stereo Audio Cable from the portable DVD Player to your TV's RED and WHITE colored audio inputs.
- If your home theater system includes a Digital Receiver, you can use the digital optical audio output to connect to your receiver's optical input. Your receiver must support Dolby Digital decoding. *This connection requires a special Optical Digital Cable, not included.



Note: The DVD Player's digital audio output requires a MINI-OPTICAL connection, whereas most receivers use standard OPTICAL connectors*. This means you must use a Mini-Optical to Optical cable, or a standard Optical cable with a Mini-Optical Adapter** on the end that connects to the Portable DVD Player.

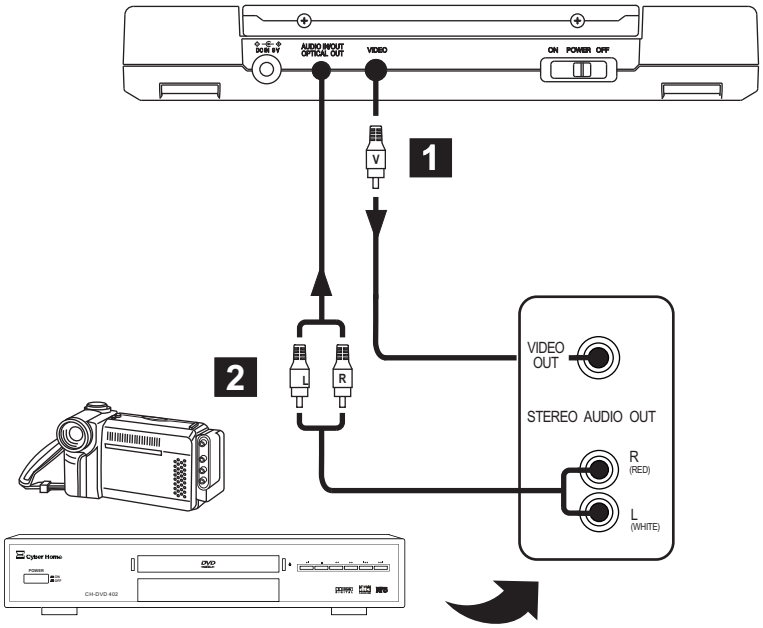




Connecting an External Audio/Video Source

Your DVD player can become an audio video output device - using the LCD and speakers - for most camcorders, VCR's, etc. For example, you can use your camcorder's composite video and analog stereo outputs to connect to the unit for playback.

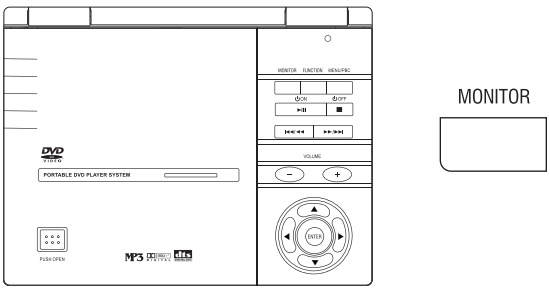
1 **Use the included Video Cable to connect the Video Output of your output device (Camcorder, etc) to the unit's Video (Input) connector.**

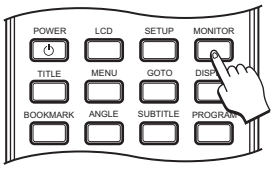


2 **Next, connect the stereo analog audio outputs of the external device to the audio input plug of the player.**

3 **Turn on the external device and the DVD player. Set the external device to Output if required.**

4 **Press the MONITOR key, wait a second, then press the MONITOR key again. The LED indicator on the front of the unit will now glow orange to indicate A/V INPUT MODE.**

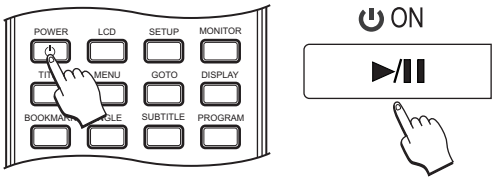




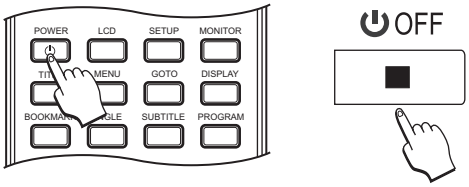
Powering the Player On and Off

Only after all connections are complete, connect the power cord. Slide the "On / Off" switch on the rear side of the player to the "On" position to activate the power of the device, and then power on the unit.

1 **To power ON the unit, press the POWER key on the remote control or the ON key on the front panel of the unit. The unit is now ready to use.**



2 **To power OFF the unit, press the POWER key on the remote control or the OFF key on the front panel of the unit. Slide the "On/Off" switch to the "Off" position.**



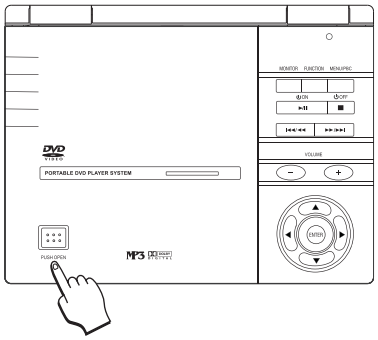
Notes on power states

There are 3 power states for this unit:

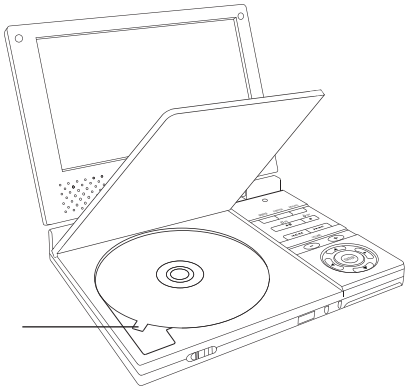
- OFF - The main power switch on the back is in the "OFF" position. The unit draws no power and cannot be turned on by the remote control.
- STANDBY - The main power switch is in the "ON" position, but the unit has not been taken out of standby by pressing either the POWER key on the remote control or the ON button on the front panel. The unit draws a slight amount of power to enable the remote control receiving circuit.
- ON - The main power switch is in the "ON" position, and either the POWER button on the remote control *or* the ON button on the front panel has been pressed. The unit is ready to use.

Inserting a Disc

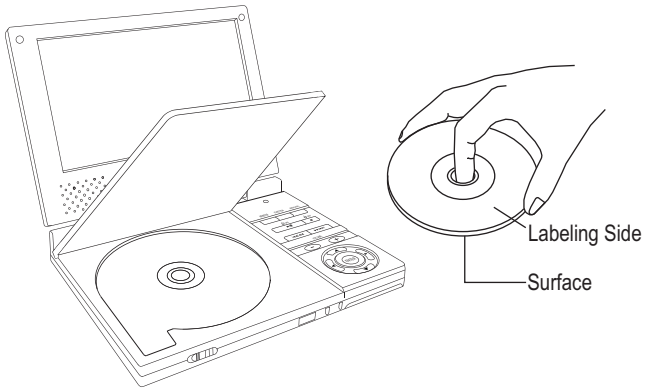
1 **Press the PUSH OPEN button on the front panel to open the disc door.**



2 **Remove the protective insert inside the disc tray before playing any discs. Pull the handy tab upwards to remove this insert. Be careful not to touch any of the mechanism - the lense, rotating disc motor, etc - that are now exposed. There are no user serviceable parts for this unit, in the event you need service please contact our Customer Service Department.**



3 **Insert the disc, being careful not to touch the playing surface. Hold the disc by the sides and with your fore finger through the hole in the middle and insert gently into the tray.**



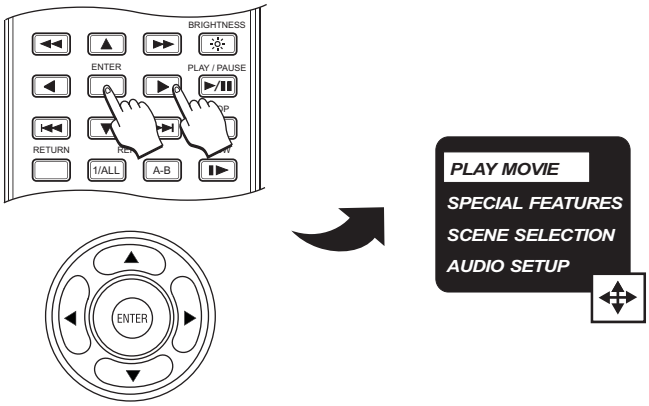
4 **Close the disc tray door and the unit will automatically start playback of the disc.**

Using Disc Menus

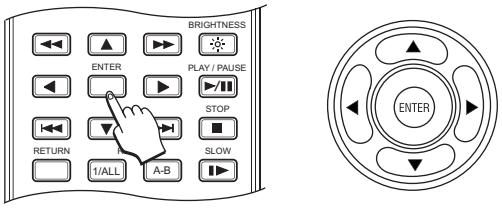
Playing a disc from the "root" menu

Most DVDs will automatically display a menu after the disc is inserted. This first menu is the first of possibly many layers, and is therefore known as the "root" menu. Notice that the player's front display shows ROOT when this menu is accessed.

1 **Use the ARROW keys on the remote control or front panel to navigate through the menu to the appropriate selection to start the movie.**



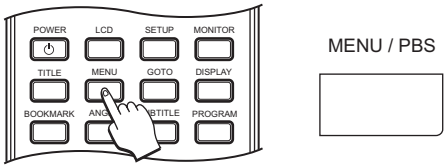
2 **Press the ENTER key on the remote control or the front panel to confirm your selection.**



Accessing a menu after play has started

1 **If you wish to re-enter the menu after disc play has started, use the MENU / PBC Key on the front panel or the Menu Key on the remote control. Press the MENU key to exit the menu at any time.**

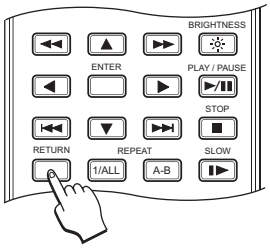
With VCD discs, this button functions as PBC (Playback Control), enabling or disabling the PBC function.



MENU / PBS

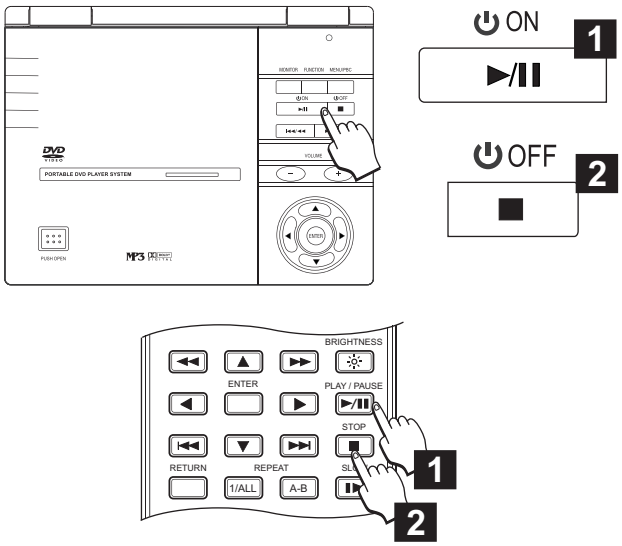
Using the RETURN key

1 **Use the RETURN key to go back to the previous layer of a menu. This function can be quite handy when using menus with many layers.**



Basic disc playback

Starting, pausing and stopping disc play



1 **PLAY/PAUSE - To begin playback of a disc, press the PLAY/PAUSE key. To freeze playback on a single frame, press this key again. To resume normal playback, press the PLAY/PAUSE key again.**

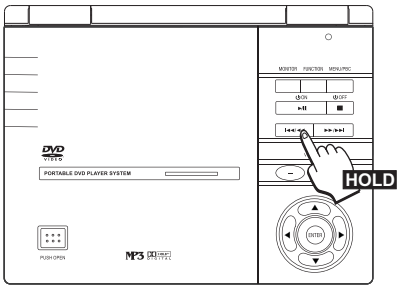
2 **STOP - To stop playback of a disc, press STOP. The first time STOP is pressed the location where disc play was halted is saved, and you can begin playback where you left off by pressing PLAY/PAUSE. If STOP is pressed twice, the playback location is reset to the beginning of the disc.**

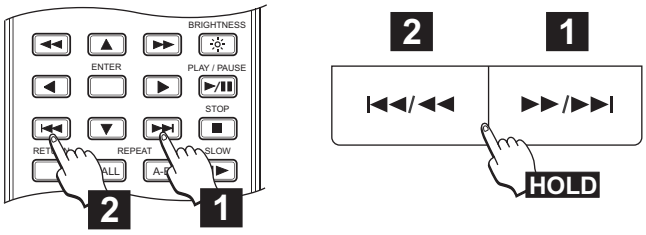
About the screen saver

When disc playback remains paused for a period of about 3 minutes, the screen saver will load, protecting the television from "screen burn", which could occur if an unusually bright image is displayed on-screen for an extended period of time. *Requires the screen saver to be Enabled in the SETUP MENU. See page 38 in this User's Manual.

Skipping to the next or previous chapter/track

You can advance or skip back through the chapters or tracks on DVD discs, Audio CDs and other discs with the NEXT and PREVIOUS buttons on the remote or front panel.



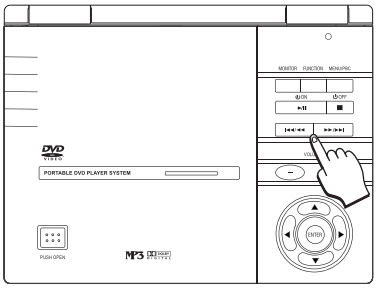


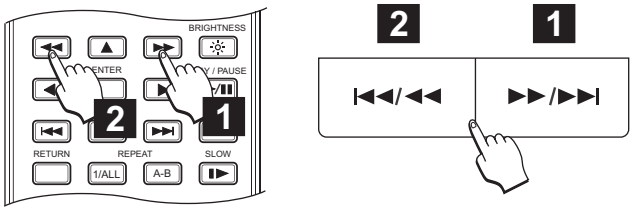
1 **SKIP NEXT - To advance to the next chapter or track, press the NEXT button on the remote control or press and HOLD the NEXT button on the unit for 2 seconds.**

2 **SKIP PREVIOUS - Press the PREVIOUS button on the remote control or press and HOLD the PREVIOUS button on the unit for 2 seconds to skip back to the previous chapter or track.**

Fast Forward and Fast Reverse

You can scan through DVDs, VCDs and other discs in forward or reverse direction at speeds up to 32X (thirty-two times normal speed). Fast forward/reverse scanning will only work *during* disc playback, not when the disc is stopped.





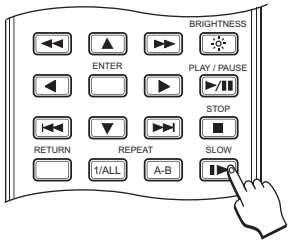
1 **To use the fast forward/reverse function with the remote control, press the FF or FR key repeatedly to cycle through all speeds in the desired direction. Available speeds are 2X, 4X, 8X, 16X or 32X. To resume normal playback, press the PLAY key.**

2 **On the front panel, note that the FF and NEXT functions share the same button, and likewise for the FR and PREVIOUS functions. To begin FF or FR scanning, press the corresponding button on the remote control or front panel. Repeat this procedure to cycle through all available speeds, and return to normal playback.**

Advanced playback

Slow motion playback

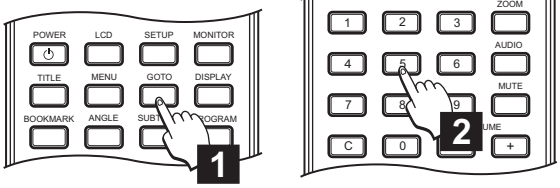
This unit supports slow motion playback in forward and reverse of up to 1/16 normal speed.



1 **Press the SLOW MOTION button repeatedly to step through all options for slow playback. With DVDs, you can choose from ½, 1/4, 1/8 or 1/16 speeds in forward or reverse. VCD discs do not support slow motion scanning in reverse.**

Jumping to a specific chapter or track

You can jump directly to any chapter on DVD discs with the GOTO key. You can also jump to any track on Music CDs with the NUMBER keys.



1 **To jump to a chapter or track using GOTO, first press the GOTO key on the remote control. Next, enter the number of the track you wish to jump to.**

You can also jump to a Time Point on the disc by pressing GOTO repeatedly to select this option.

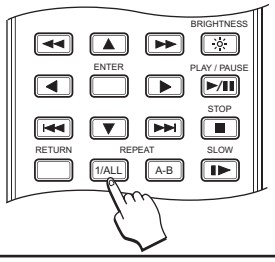
2 **You can use the NUMBER keys to jump to a chapter or track. With DVDs, CDs and other discs, simply enter the chapter number you wish to jump to. With VCD discs, you may need to disable the PBC function first. To disable PBC, press the PBC button.**

Using the Number Keys

- Numbers must be entered in two-digit format, with a "0" before numbers smaller than 10 - Example: "05".

Repeating a disc, chapter, title or track

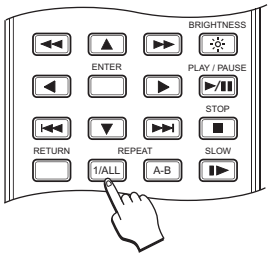
To repeat a segment of a disc, use the REPEAT 1/ALL key. On DVDs, you can repeat an entire disc, title or chapter. On VCDs, chapter and disc repeat is supported, but PBC must be disabled first (Press the PBC key). Audio CDs also allow repeat of tracks or the entire disc.



1 **Press REPEAT 1/ALL during disc playback to cycle through the available options, which are listed on-screen. With DVD discs, you can repeat the current chapter, title or entire disc. With VCD discs, you can repeat the current chapter or all chapters (make sure PBC is disabled before using this feature). Audio CDs also allow repeat of the current track or entire CD.**

Repeating a segment you define

Unlike the REPEAT 1/ALL key, which only allows you to repeat segments already defined on a disc, such as tracks and chapters, the REPEAT A-B key lets you define your own segments to repeat.



1 **During playback, when you reach the start of the segment you want to repeat, press the REPEAT A-B button. The following icon is displayed briefly on-screen, letting you know that the segment start point has been saved.**

A

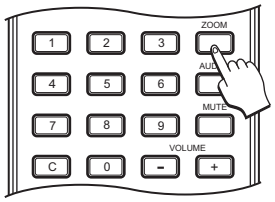
2 **When you reach the end of the segment you want to repeat, press the REPEAT A-B button again. The repeat icon on-screen changes to the following, reporting that the endpoint of the video segment has been saved. The segment will now begin repeating.**

AB

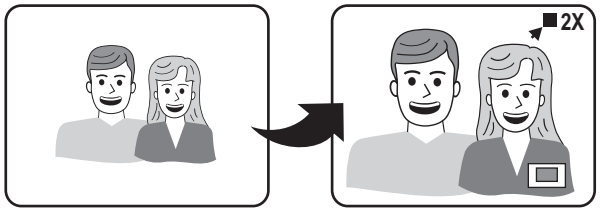
3 **To cancel repeat and resume normal playback, press REPEAT A-B again.**

Using the zoom function

Use the zoom function to zoom in or out during disc playback or when a frame is paused on-screen.

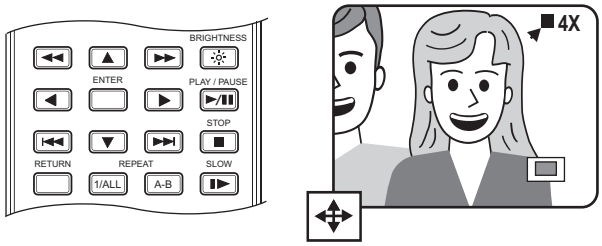


1 **Press the ZOOM key to magnify the screen by a factor of 2. This is called 2X zoom, and is indicated in the upper right corner of the screen as shown:**



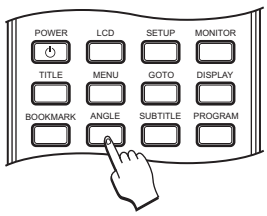
2 **Press the ZOOM key repeatedly to cycle through all the zoom levels. You can enlarge the screen to 2X, 3X or 4X normal size, or shrink the screen (zoom out) to 1/2,1/3 or 1/4 normal size. To resume normal viewing, press ZOOM until the zoom indicator disappears.**

3 **When the image is enlarged (zoom in), use the ARROW keys to move around. This will display the parts of the image that do not appear on-screen when the image is zoomed in.**



Multi-angle function

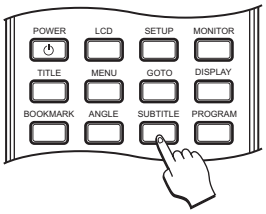
Some DVD discs are recorded with multiple viewing angles for certain scenes. When you are viewing a disc that supports this feature, you can choose among the available angles on the disc with the ANGLE key.



1 **Most discs with multi-angle will display an indicator, or *angle mark*, that alerts the viewer that multiple angles are available for the current scene. When this mark appears on-screen, press the ANGLE button to select an angle to view.**

Subtitles

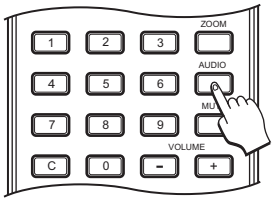
Most DVD discs include at least one subtitle track in one language. Subtitles are useful viewing movies in a foreign language or for hearing-impaired viewers.



1 **Press SUBTITLE during playback repeatedly to view all the available subtitles on a disc or turn subtitles off.**

Changing the audio track

Most DVD discs are recorded with multiple audio tracks. These can contain multiple languages and different audio formats, such as 5.1 Channel or 2 Channel. A director's commentary track - where the director can be heard discussing the movie - is also common on DVDs.

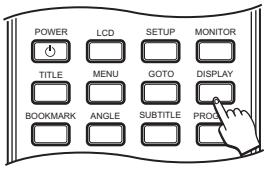


1 **During playback, press the AUDIO button to cycle through all the available tracks on a DVD or VCD disc.**

Using the DISPLAY MENU

The DISPLAY menu provides you with many ways to jump to a particular chapter/track or specific time on a disc. It also shows playback information such as elapsed and remaining time for tracks, chapters and titles.

1 **Press the DISPLAY key on the remote control to access available options. Use the Number Keys and UP/DOWN Arrows to select options, and ENTER to confirm and**

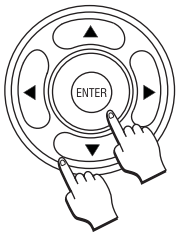


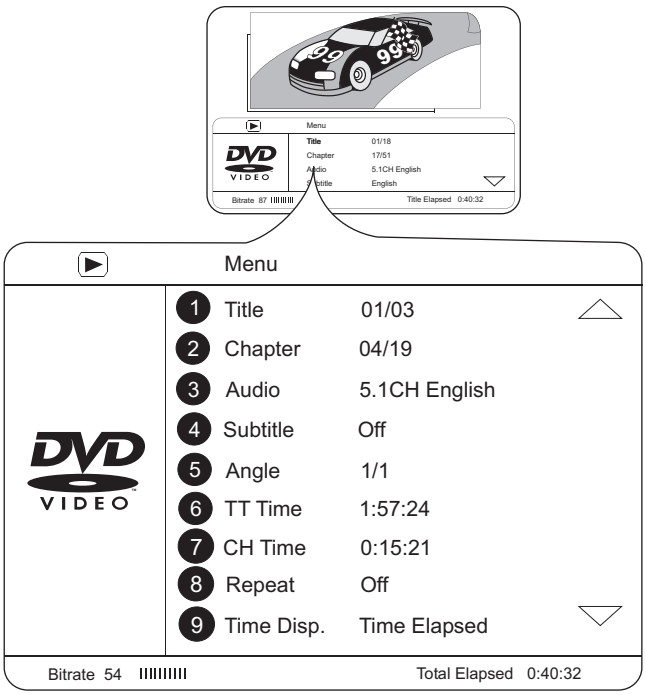
OR

If the remote control is not handy, press the FUNCTION button on the front panel of the player to bring up the FUNCTION MENU.

FUNCTION MENU

Press the DOWN ARROW button, then press the ENTER button to confirm the DISPLAY Menu selection from the FUNCTION Menu.





1 TITLE
Use the number keys to enter a Title number to jump to.

2 CHAPTER
Use the number keys to select a chapter to play.

3 AUDIO
Use the arrow keys to select from available audio tracks on the disc.

4 SUBTITLE
Use the arrow keys to select a subtitle option from the disc.

5 ANGLE
Select between multiple angle views on supported DVD's.

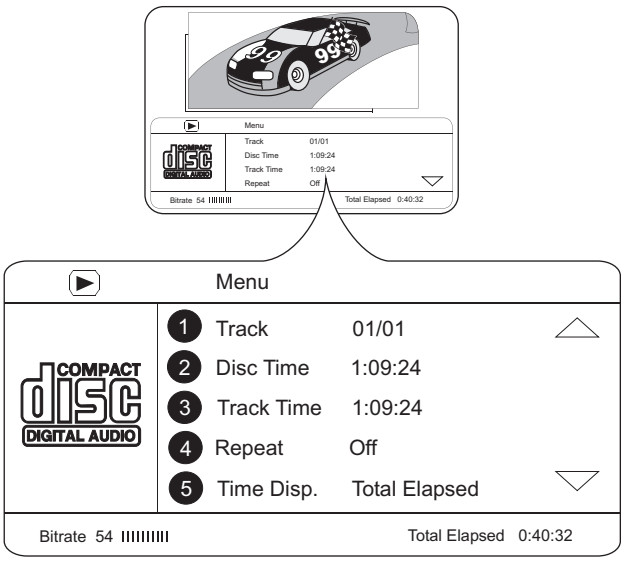
6 TT TIME
Displays the total track time for the track currently playing.

7 CH TIME
Displays the total time for the chapter currently playing.

8 REPEAT
Use the arrow keys to select a repeat option for repeat playback.

9 TIME DISP.
Use the arrow keys to select a time display option, such as Time Remaining, or current Playback Time.

2 **For VCD discs, the DISPLAY menu is very similar to the DVD disc menu.**



1 TRACK
Use the number buttons to enter a title selection from disc.

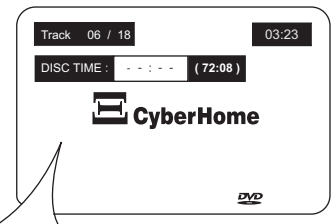
2 DISC TIME
Displays the total time playable on the disc.

3 TRACK TIME
Displays the total time of the track playing.

4 REPEAT
Use the arrow buttons to select the repeat options from the disc.

5 TIME DISP.
Select among the display options on the disc.

3 **For Audio discs, press the DISPLAY button repeatedly to cycle through menu options.**



DISC TIME -
Use the number keys to enter a time point on the disc to jump to.

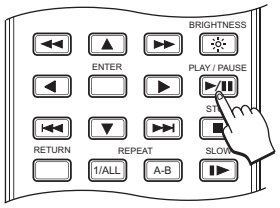
TRACK TIME -
Use the number keys to enter a time to jump to within the current track.

SELECT TRACK -
Use the number keys to enter a track number to jump to.

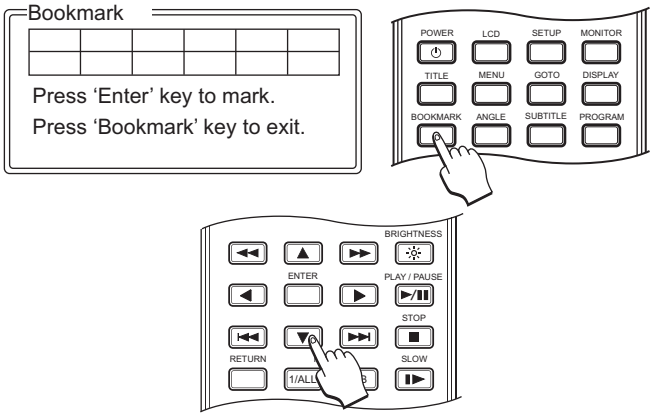
Using the bookmark function

Mark a point on the disc to come back to later with the BOOKMARK feature. For instance, if you see an interesting scene and would like to watch it again when the DVD movie is over, add a bookmark. You can add up to twelve bookmarks which also can be used with VCDs and Audio Compact discs.

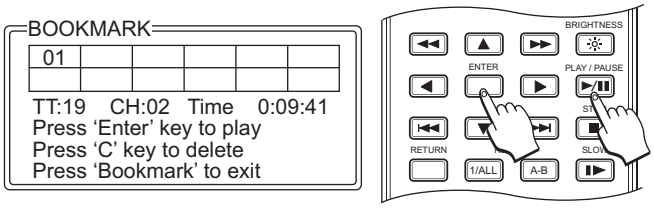
1 **Press the PAUSE key to pause playback at the point where you wish to add a bookmark before accessing the Bookmark Menu.**



2 **Press the BOOKMARK key to access the bookmark menu. Use the ARROW keys to select an available bookmark location (1 to 12). In this example, we'll choose the first one.**



3 **Press ENTER to save the bookmark location. The play position is saved as a bookmark. Note the track and time information are stored for the bookmark in position one. To begin playback, select the bookmark location and press ENTER. Press the BOOKMARK key to exit the Bookmark Menu.**



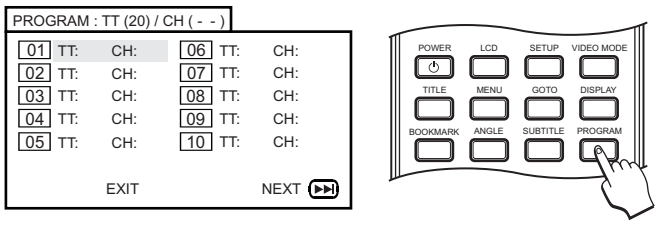
Quick Tips

- To clear Bookmarks from the menu, navigate to the position you want to delete and press the C (CLEAR) key.
- Bookmarks are only active while a particular disc is loaded. Once power is turned off or the disc is ejected, the stored Bookmarks will be lost.
- You can store up to 12 Bookmark locations.

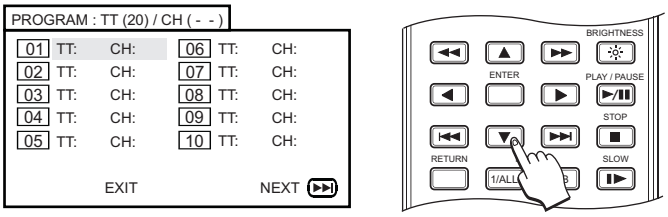
Program function

You can create custom playback programs with this handy feature. You can program up to 20 chapters and tracks to play in an order you create.

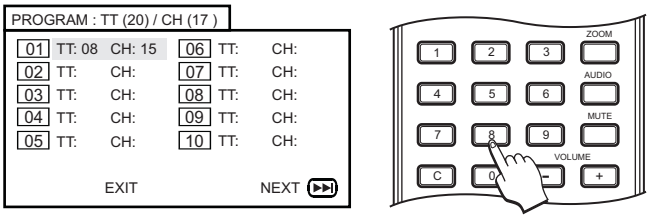
1 **Press the PROGRAM key to enter the Program Menu. There are 10 locations for adding track and chapter numbers on each page, with a total of 2 pages.**



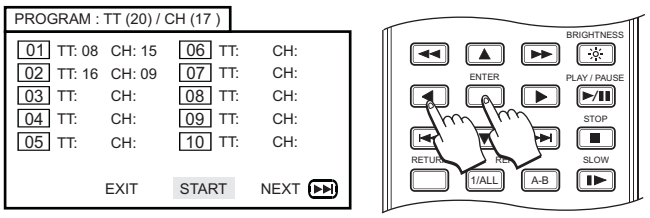
2 **Press the ARROW keys to navigate through the available program locations (1-10), go to the NEXT page, or EXIT the Program Menu.**



3 **Use the NUMBER keys to enter the track and chapter number you select for each program location. In this example, the Program Menu displays 20 tracks and 17 chapters on the disc to choose from.**



4 **To begin playback of your program, use the ARROW keys to select START from the Program Menu at the bottom of the screen. Press the ENTER key to start playback. In this example, track 8 chapter 15 will play first followed by track 16 chapter 9.**



Quick Tips

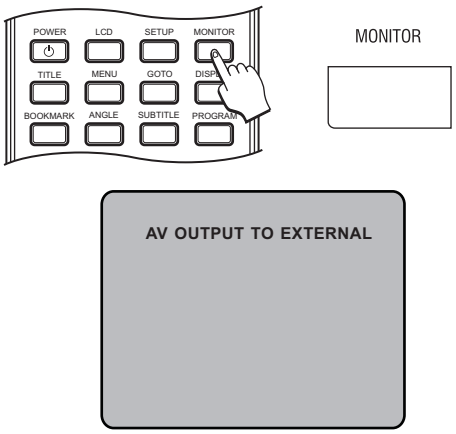
- Programs will be erased when power is turned off or current disc is ejected.
- You must enter a 0 in front of numbers that are less than 10. For example, to enter the number 5, enter "05".

Video mode function

You can select which video mode you would like to use during playback. There are three different modes to choose from.

1. Normal disc playback to the LCD screen.
2. Player Audio Video output to external monitor/speaker
3. Audio Video input from external device.

1 **Press the MONITOR on the remote control / front panel one time to output audio and video to an external source such as your TV. You will see a message on the screen as shown below.**



2 **Press the MONITOR key one more time and your unit can now output audio and video from an external source such as a camcorder or VCR onto the LCD screen. The front panel LED will now glow an orange**

3 **Press the MONITOR key one more time (a third time) to return to normal playback capability. The front panel will now glow a green color.**

Display mode

You can choose from four display modes for the LCD screen:

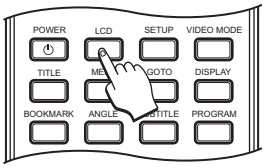
1. **Full** - This mode is the default mode. The FULL mode is best suited for wide screen movies, both "standard" (16:9 aspect ratio) and "anamorphic" (2.35:1 aspect ratio). Since the unit's LCD has a 16:9 aspect ratio, the entire screen will be used when playing a standard wide screen movie. However, black bars on the top and bottom will be present when playing anamorphic wide screen movies. *If you are viewing a movie recorded for standard TVs (4:3 aspect ratio), you must use the NORMAL mode to avoid the picture appearing "stretched" horizontally.

2. **Wide** - Horizontally scaled format used to watch movies made for normal TV screens on the wide screen LCD.

3. **Normal** - For movies made for normal TV screens (4:3 aspect ratio). Converts the unit's wide screen to standard TV, or "full screen" format.

4. **Off** - Turns the LCD screen off. Use with Music CDs.

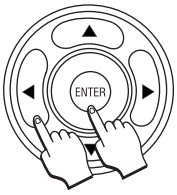
1 **Press the LCD key on the remote control repeatedly to cycle through the various modes.**



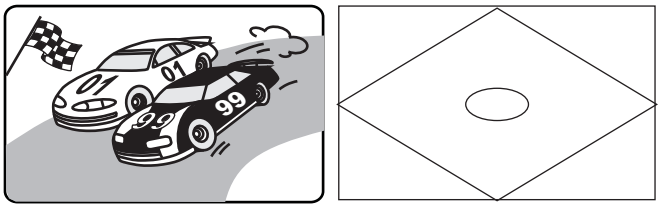
If the remote control is not handy, press the FUNCTION button on the front panel of the player to bring up the FUNCTION MENU.

FUNCTION MENU

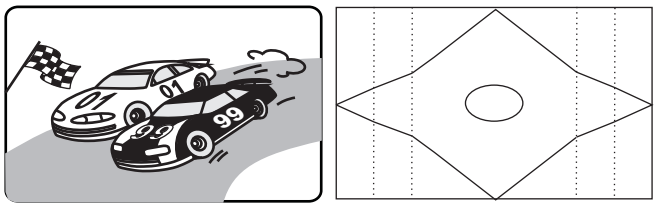
Press the LEFT ARROW button, then press the ENTER button to confirm the LCD Menu selection from the FUNCTION Menu. Press the FUNCTION button at anytime to exit the FUNCTION Menu.



1 **The default display mode is Full.**



2 **Press the LCD key on the remote control or the FUNCTION and ARROW keys on the front panel one time to change the display mode to Wide.**



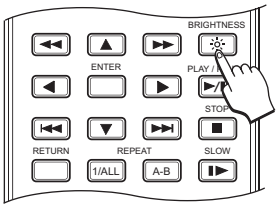
3 **Press the LCD key on the remote control or the FUNCTION and ARROW keys on the front panel one time again to change the display mode to Normal.**

4 **Press the LCD key on the remote control or the FUNCTION and ARROW keys on the front panel one time again to turn off the LCD display. Then one more time to turn the LCD display on.**

Adjusting brightness

You can adjust the brightness level of the LCD display quickly and easily.

1 **Press the BRIGHTNESS key on the remote control to enter the on-screen Brightness menu.**

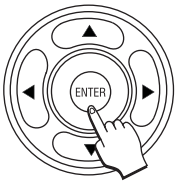


OR

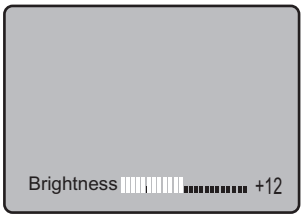
If the remote control is not handy, press the FUNCTION button on the front panel of the player to bring up the FUNCTION MENU.

FUNCTION MENU

Press the ENTER button repeatedly to adjust the brightness level on the LCD screen.



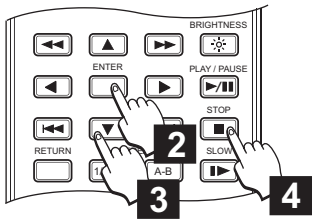
2 **To adjust the brightness with the remote control, press the BRIGHTNESS key repeatedly to adjust the brightness level.**



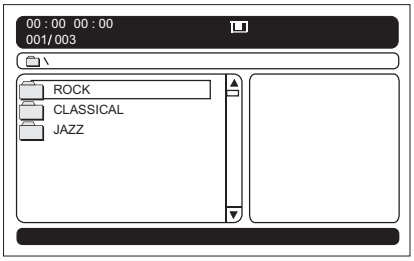
PLAYING MP3 MUSIC FILES

The MP3 navigator

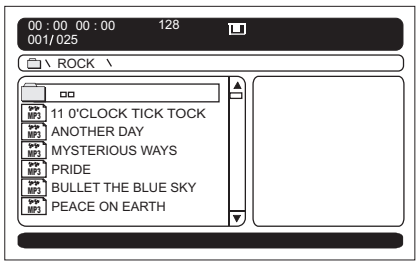
When you insert a disc containing MP3 files, the player will launch the MP3 navigator - an on-screen interface for playing MP3 music files. The MP3 navigator provides options for playback of MP3 files, including repeat and random modes.



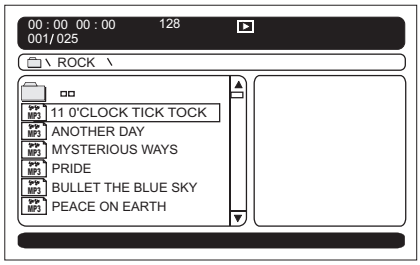
1 **Insert a disc containing MP3 files. The MP3 navigator appears on screen. In this example, our MP3 disc contains 3 directories.**



2 **Press ENTER to open the first directory. The files in the directory are now listed on-screen.**



3 **Use the DOWN ARROW key to move to the file list. Press ENTER to begin playback.**

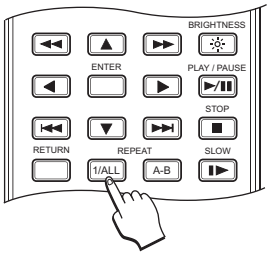


4 **Press STOP to end playback.**

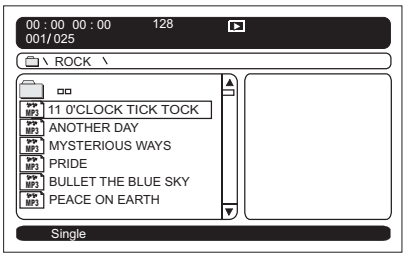
Setting repeat and playback options

You can select from a variety of playback options with the PLAY MODE function. The play mode determines which of your MP3 files will play, and the order they will play back in. The following play modes are available.

- SINGLE - Plays a single file, then stops.
- REPEAT ONE - Repeats a single file continuously.
- REPEAT ALL - Repeats all MP3 files in consecutive order in the selected folder continuously .
- REPEAT OFF- Plays all MP3 files in the selected folder in consecutive order one time.
- RANDOM - Continuous playback of the files in a folder using a random selection process.
- SHUFFLE - Plays all files in a folder using a random order and stops.



1 **To select a play mode, press the REPEAT 1/ALL button repeatedly until you reach your desired setting. The current play mode is shown in the lower left corner of the screen and will disappear after a few seconds. To check the status of your play mode, press the DISPLAY button.**



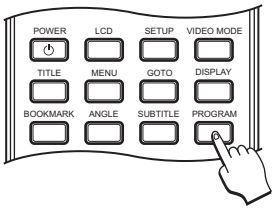
MP3 notes

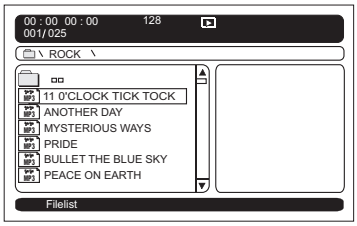
- MP3 files must be stored on discs with the extension "MP3", such as "song1.mp3", otherwise the files will not be recognized.
- CD-R/RW discs containing MP3 files should be in ISO/9660, Mode 1, Closed Session format for best compatibility.

More MP3 functions

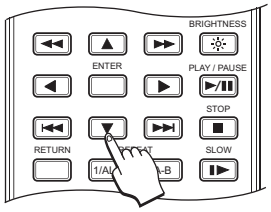
You can play your MP3 files in a variety of ways. You can create a custom playlist of your favorite files or play just specific segments of a file.

1 **Insert a disc containing MP3 files. The MP3 navigator appears on screen. To view the MP3 files on the disc, press the PROGRAM button, no folder information is provided on this list, and all the MP3 files on the disc will be listed. "Filelist" will appear in the bottom left hand corner for a few seconds.**

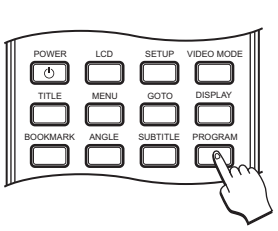


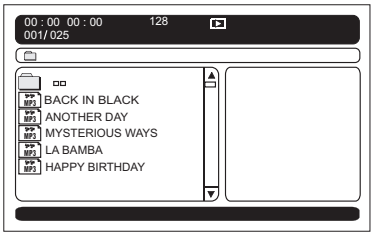


2 **Use the DOWN ARROW key to move to the file list. Press BOOKMARK to select files to include in your playlist.**



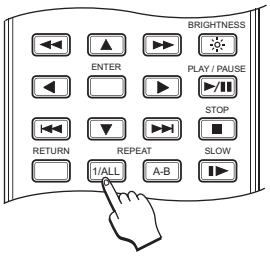
3 **Press PROGRAM again to view your "Playlist", the list of MP3 files you have created for playback. To begin playback of your playlist, press ENTER.**





4 **Press STOP to end playback. To return to the Folder list, press PROGRAM.**

You can also select to replay a segment of an MP3 file by using the REPEAT A-B button.



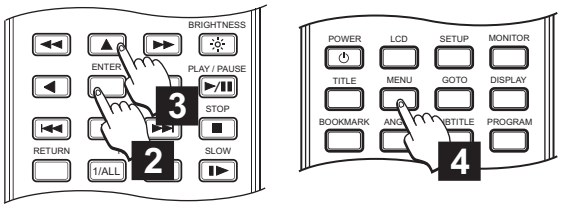
1 **To select a segment, while listening to an MP3 file, when you arrive at the starting point that you would like to mark as the beginning of your repeating segment, press the A-B button. You will see the A symbol.**

2 **When you reach the end of the segment, simply press the REPEAT A-B button again. The AB symbol will now be displayed. The segment will now continuously repeat. To resume normal playback, press the REPEAT A-B key again. To end playback, press the STOP button.**

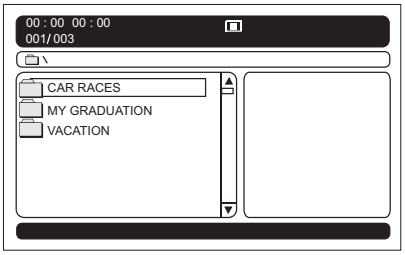
VIEWING JPG IMAGES ON YOUR TV

Viewing a JPG slide show

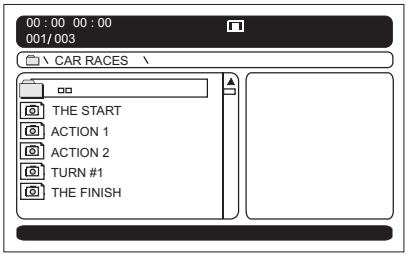
You can view JPG picture files stored on CD-R/RW discs individually or in slide show mode on your TV. JPG is the standard format for pictures stored on digital cameras, the Internet and many other applications.



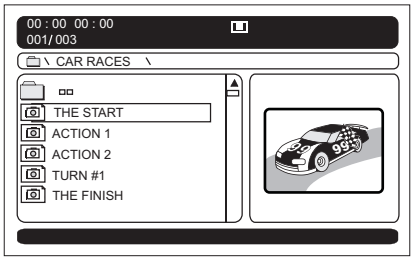
1 **Insert a disc containing JPG files. The JPG navigator appears on screen. In this example, our disc contains 3 directories of picture files.**



2 **Press ENTER to open the first directory. The files in the directory are now listed on-screen.**



3 **Use the UP / DOWN ARROW keys to select a file. Press ENTER to begin playing a slide show of all the files on the disc, starting with the selected file. The selected file will appear in the preview box on the right.**

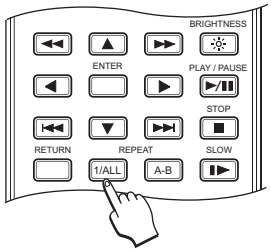


4 **To exit the slide show and return to the JPG navigator, press MENU.**

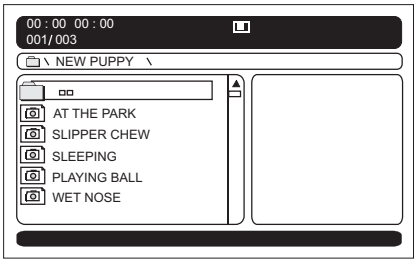
Slide show options

You can select from a variety of JPG display options with the PLAY MODE function. The play mode determines the order of display, as well as which files will be included in the slide show. The following play modes are available:

- SINGLE - Displays a single file.
- REPEAT ONE - Displays a single file.
- REPEAT ALL - Repeats all JPG files in consecutive order in the selected folder continuously.
- RANDOM - Continuous playback of the files in a folder using a random selection process.
- SHUFFLE - Displays all files in a folder using a random order and stops.
- REPEAT OFF - Plays all JPG files in consecutive order in the selected folder one time.



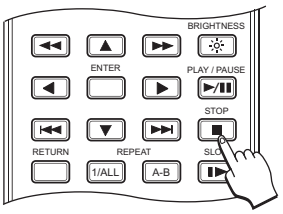
1 **To select a play mode, press the REPEAT 1/ALL button repeatedly until you reach your desired setting. The current play mode is shown in the lower right corner of the screen for a few seconds.**



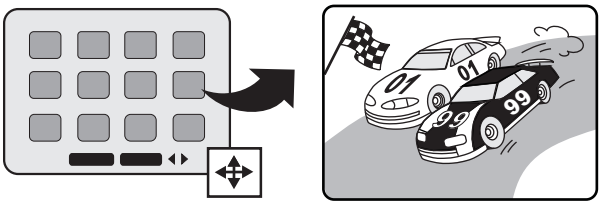
Advanced JPG functions

Viewing thumbnails of your JPG pictures

Thumbnails are smaller sized versions of your JPG files that allow you to preview many files on a single page.



1 **During slide show playback, press the STOP key at any time to see a thumbnail preview of your JPG files. A maximum of twelve images are shown on each screen.**



2 Use the PREVIOUS / NEXT keys to navigate to the next or previous screen of thumbnails.

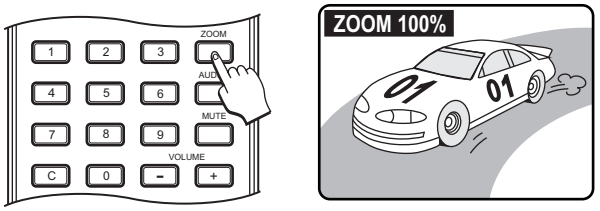
3 Use the ARROW KEYS to navigate the thumbnail screen, moving to the image you wish to display.

4 Press ENTER to display the file on screen.

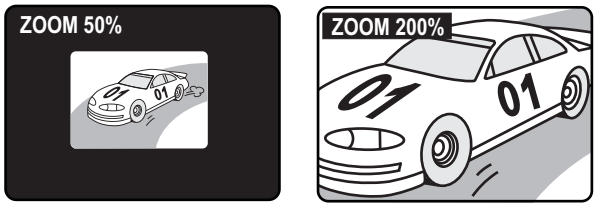
Using the zoom function with JPGs

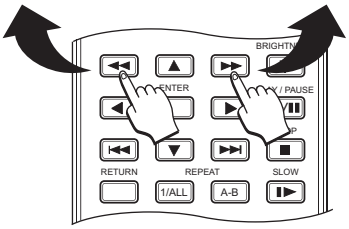
You can zoom in or out on JPG images.

1 While the picture is displayed, press the ZOOM key. The zoom status is shown in the upper left of the screen. The starting value is 100% normal size.



2 Press the FF key to zoom in and the FR key to zoom out. You can zoom in up to 200%, and out to 50% of the original image size.



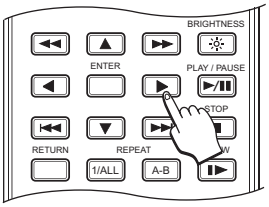


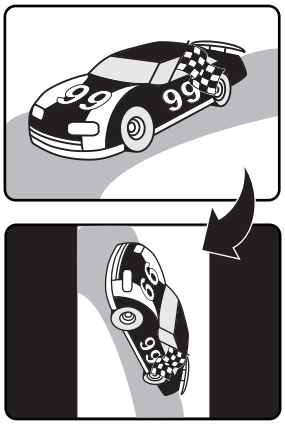
3 To resume normal viewing, press the ZOOM button. Or, to return to the thumbnails preview screen, press STOP.

Rotating and flipping JPG images

While a JPG is displayed, you can rotate the image or flip it horizontally or vertically.

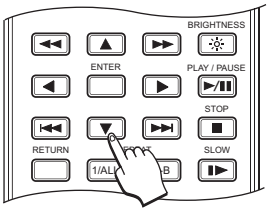
1 To rotate an image in the clockwise direction, press the RIGHT ARROW key.

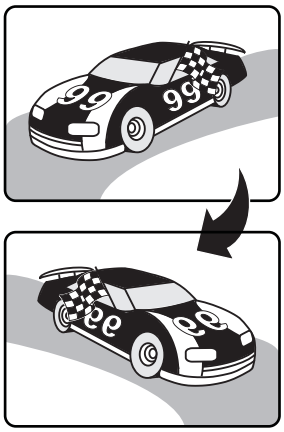




Press the LEFT ARROW to rotate the image counter-clockwise.

2 To flip the image horizontally, press the DOWN ARROW key.





To flip the image vertically, press the UP ARROW key.

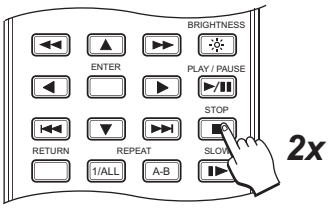
JPG notes

- JPG files must be stored on discs with the extension "JPG", such as "picture1.jpg", otherwise the files will not be recognized.
- You can have a maximum of 250 files or folders.
- CD-R/RW discs containing JPG files should be in ISO/9660, Mode 1, Closed Session format for best compatibility.

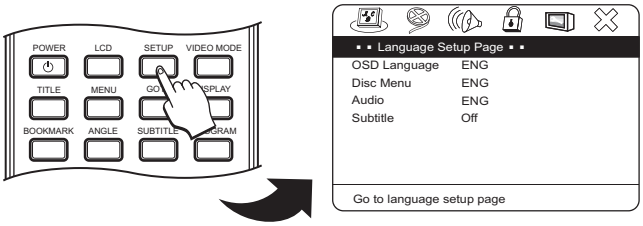
Using the SETUP MENU

The SETUP MENU is where you can configure various settings related to the functionality of your portable DVD Player. Items such as the type of TV you're using, which languages you prefer, parental control levels and more.

1 **Though the SETUP MENU can be accessed during disc playback, you must press the STOP key twice to have access to all options.**

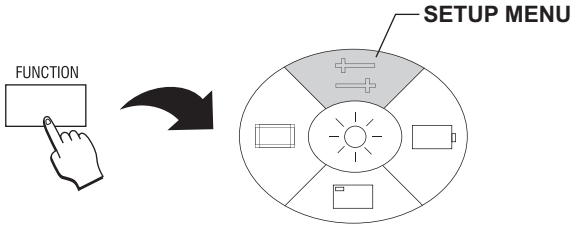


2 **Press SETUP to enter the SETUP MENU.**

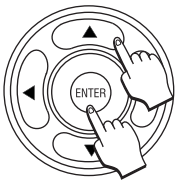


OR

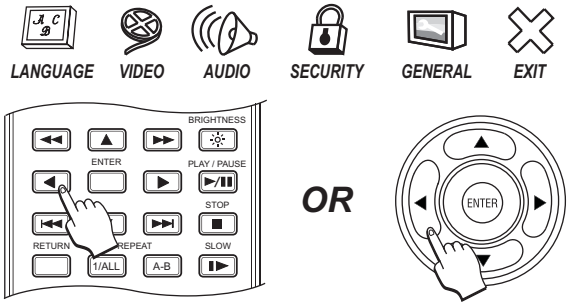
If the remote control is not handy, press the FUNCTION button on the front panel of the player to bring up the FUNCTION MENU.



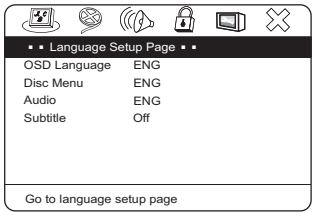
3 **Then press the UP ARROW key to select the SETUP MENU option and press ENTER.**



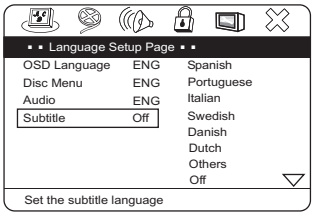
4 **Use the LEFT/RIGHT ARROW keys on the remote control or front panel to select a page:**



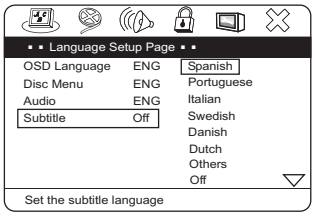
5 **For this example, we select the LANGUAGE SETUP page to set the default subtitle language to SPANISH.**



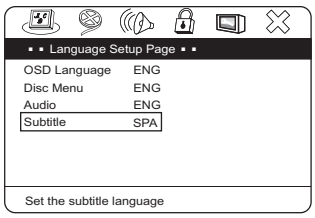
6 **Use the DOWN ARROW key to select SUBTITLE from the LANGUAGE SETUP page.**



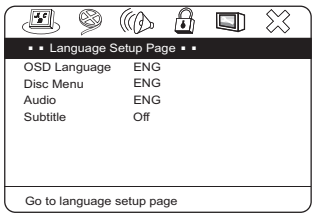
7 **Press the RIGHT ARROW key to enter the SUBTITLE submenu language list. Use the UP/DOWN ARROWS to select SPANISH from the list. Press ENTER to confirm.**



8 **The SUBTITLE selection will be changed to SPANISH and will now appear on the LANGUAGE Menu. Press the SETUP button to exit the SETUP Menu.**



The LANGUAGE SETUP PAGE



OSD LANGUAGE

Default setting: **ENGLISH**

Sets the language of the SETUP MENU. Changing this setting to your native language will make using the SETUP MENU much easier.

DISC MENU

Default setting: **ENGLISH**

Sets the default language for discs containing multiple menu languages. This setting is only applicable to discs that contain a menu in the language you choose, otherwise the default menu on the disc will be used.

AUDIO

Default setting: **ENGLISH**

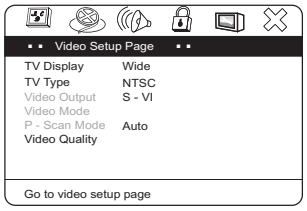
Sets the default language for discs containing multiple language tracks. This setting is only applicable to discs that offer the language specified. Unsupported discs will play the default language on the disc.

SUBTITLE

Default setting: **Off**

For discs that support multiple subtitle languages. Set the default subtitle language you would like to see. This setting is only applicable to discs that support the language you specify, otherwise the default subtitle track on the disc will be shown.

The VIDEO SETUP PAGE



TV DISPLAY

Default setting: **WIDE**

You can setup your DVD Player to work with normal and wide screen televisions. If you are using a wide screen TV, set this option to **WIDE 16:9** to match the aspect ratio of your TV. When used with a normal TV (4:3 aspect ratio), the **NORMAL/PS4:3** setting results in the typical "Pan & Scan" display, where a movie is clipped on the sides to fit into the TV screen. The **NORMAL/LB4:3** setting will enable the "Letterbox" format, where the movie is presented in wide screen format with black lines at the top and bottom of the screen. Note: The **PS4:3** and **LB4:3** usually will have no effect, since very few movies support both options. DVDs are generally recorded with either PS or LB and do not allow switching between the two.

TV TYPE

Default setting: **NTSC**

Your DVD Player will work with TVs based on the NTSC and PAL standards, as well as TVs designed to function with both standards, or "Multi" models. NTSC is the standard TV system used in the USA, Canada, Japan and many other countries. The PAL TV system is used in Europe, Africa and the Middle East, among other places. Refer to your TV's documentation to make sure which model you have.

VIDEO OUTPUT

Default setting: **S-VI**

After pressing the monitor key to output audio and video to an external source, the function can be activated.

- **S-VIDEO:** A higher quality picture than standard COMPOSITE VIDEO. The **S - Video** setting is used with composite and S - Video connections.
- **YUV:** This setting is used for TVs supporting component video out and progressive scan. To activate the component video outputs, you must first connect the unit using the COMPOSITE VIDEO connector and cable in order to enter SETUP and change this setting. Next, connect the unit using the COMPONENT VIDEO cables and unplug the COMPOSITE video cable. Adjust the TV's Video Input setting to correspond to the COMPONENT Input.

VIDEO MODE

Default setting: **INTERLACE**

Most TVs scan only half the lines of an image in one pass. This scanning method is known as "interlaced" mode, as the odd and even lines are interlaced together in alternate scans. Progressive scan, or **P-SCAN**, is a scanning method offered on high-end TVs. Progressive scan TVs scan all the lines of an image in one pass, creating a more film-like quality to DVD movies.

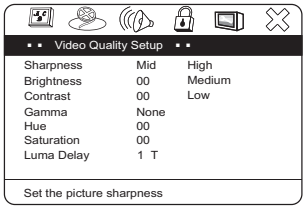
Note: This setting is only available when the **VIDEO OUTPUT** setting is set to **YUV**. This is because all progressive scan TVs require component video inputs. If this setting is inadvertently set to **P-SCAN**, reset the video to **INTERLACED** by opening the disc tray and pressing **DISPLAY - 1 - 2 - 3** on the remote control.

P - SCAN MODE

Default setting: **AUTO**

FILM 3:2 is for NTSC - Converts 24 frame/sec film to 30 frame/sec NTSC video. **VIDEO** 2:2 is for PAL - Converts 24 frame/sec film to 25 frame/sec PAL video. **AUTO** switches automatically between the modes depending on the disc inserted. Note : this option can be selected only while the Video Mode is set to P-Scan.

VIDEO QUALITY SETUP



SHARPNESS

Default setting: **Mid**

Sharpness controls the fine details of an image

BRIGHTNESS

Default setting: **00**

Brightness is the intensity of light emitted, select the level desired.

CONTRAST

Default setting: **00**

Contrast is the difference from the highest white level to the highest black level, select the desired level.

GAMMA

Default setting: **None**

This setting will affect the middle range gray tones without dramatically affecting the shadows and highlights for the DVD player.

HUE

Default setting: **00**

Hue is a specific color wavelength, for example - flesh tones, select your desired level.

SATURATION

Default setting: **00**

Select the saturation - the intensity of color in a video picture - setting for the DVD player.

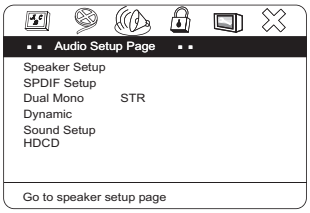
LUMA DELAY

Default setting: **0T**

Select **1T** or **0T** for the Luma delay setting. Luma, or luminance, is the overall brightness.

The AUDIO SETUP PAGE

SPEAKER SETUP



DOWNMIX

Default setting: **STR**

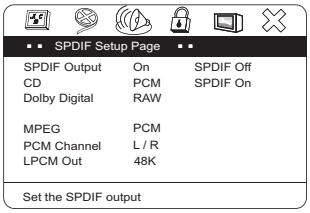
Since most DVD discs feature Dolby 5.1 channel soundtracks, you'll need to use the options: **LT/RT** and **STR.** The STR setting should be used for most Televisions and Stereo equipment. Generally, the LT/RT option should be used only with Dolby Pro Logic receivers capable of decoding this type of signal. The **Virt Surround** setting should be used with any two speaker systems . Selecting **OFF** will allow you to personalize your own audio setup.

Post DRC

Default setting: **Off**

Select **Auto** or **On,** or stay with the default setting of **Off**. This setting controls the difference between the maximum and minimum acceptable signal level.

SPDIF SETUP



SPDIF OUTPUT

Default setting: **On**

SPDIF (Sony/Philips Digital InterFace) refers to the digital audio format used by most consumer electronics equipment. If you are using the Stereo Audio Outputs, leave SPDIF set to **Off**. If you wish to use the Digital Outputs, change this setting to **On**. The **On** setting is used with receivers capable of Dolby Digital 5.1 channel decoding, while the **Off** setting is reserved for two channel equipment.

CD

Default setting: **PCM**

SPDIF (Sony / Phillips Digital InterFace) refers to the digital audio format used by most consumer electronics equipment. If you are using the Stereo Audio Output, leave this setting at **PCM**. Generally, the **RAW** setting is used with receivers capable of Dolby Digital 5.1 channel decoding, while the **PCM** setting is reserved for two channel equipment. Select **Off** if you are using stereo audio outputs.

DOLBY DIGITAL

Default setting: **RAW**

SPDIF (Sony / Phillips Digital InterFace) refers to the digital audio format used by most consumer electronics equipment. If you are using the Stereo Audio Output, change this setting to **PCM**. Generally, the **RAW** setting is used with receivers capable of Dolby Digital 5.1 channel decoding, while the **PCM** setting is reserved for two channel equipment. Select **Off** if you are using stereo audio outputs.

DTS

Default setting: **RAW**

SPDIF (Sony / Phillips Digital InterFace) refers to the digital audio format used by most consumer electronics equipment. If you are using the Stereo Audio Output, change this setting to **PCM**. Generally, the **RAW** setting is used with receivers capable of Dolby Digital 5.1 channel decoding, while the **PCM** setting is reserved for two channel equipment. Select **Off** if you are using stereo audio outputs.

MPEG

Default setting: **PCM**

If you are using the Stereo Audio Output, leave this setting at **PCM**. Generally, the **RAW** setting is used with receivers capable of Dolby Digital 5.1 channel decoding, while the **PCM** setting is reserved for two channel equipment. Select **Off** if you are using stereo audio outputs.

PCM CHANNEL

Default setting: **SPDIF L / R**

When connecting the unit to a receiver capable of supporting a six speaker system, use this option to configure each pair of speakers. **SPDIF L/R** is used for configuration of the left and right front speakers. **SPDIF LS/LR** designates configuration for the left and right satellite speakers. **SPDIF C/LFE (or subwoofer)** is for the center speaker and subwoofer.

LPCM Out

Default setting: **48K**

Select from **48K** or **96K** for this selection.

DUAL MONO

Default setting: **STEREO**

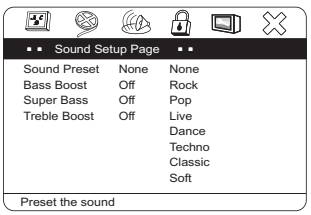
These settings are generally for CDs or VCDs that offer only Mono audio tracks. In this case, the **STEREO** option will function as normal stereo, while the **L-MONO** and **R-MONO** will send the mono output to only one speaker. **MIX-MONO** will send the same mono output to both speakers.

DYNAMIC

Default setting: **Off**

'Dynamic Range Compression' makes watching a movie at low volumes more enjoyable by boosting the quieter sounds while suppressing the louder sounds. This reduction in the difference between the low and high audio levels is known as "compression". You can adjust the level of this compression from **OFF** to **FULL**, using the UP/DOWN ARROW buttons.

SOUND SETUP



SOUND PRESET

Default setting: **NONE**

Choose from a variety of equalization presets that simulate popular environments for listening to music.

BASS BOOST

Default setting: **Off**

When set to **On**, the low frequency range is increased.

SUPER BASS

Default setting: **Off**

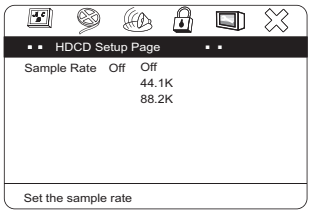
When set to **On**, the low frequency range is increased.

TREBLE BOOST

Default setting: **Off**

When set to **On**, the high frequency range is increased.

HDCD SETUP

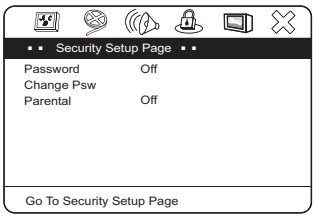


HDCD

Default setting: **Off**

Choose from two different Khz settings for HDCD.

The PASSWORD SETUP PAGE



PASSWORD

Default setting: **Off**

Here is where you can turn **Off** or **On** the Password function. For example, after setting the PASSWORD function to On, a valid password must be entered when making a change to the Parental Lock setting. A valid password can be either the factory default password of 1379 or one you setup by using the Change Password setup function which is discussed on page 38.

CHANGE PASSWORD

Default setting: **N/A**

Select this option when making changes or creating a new password. Ensure that PASSWORD MODE is set to On. Select **Change** and you will be prompted to enter the current valid password (use the factory password 1379), then to enter and also to confirm your New Password (the factory password cannot be deleted or changed). The user password and the factory password can now both be used. You can change the user password at any time after entering a valid password. The user password is useful for allowing others - for example a babysitter - temporary access to Parental Control settings.

PARENTAL

Default setting: **Off**

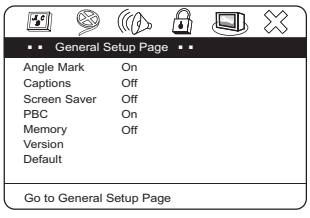
The Parental Lock allows you to limit the use of your DVD Player to only those DVD discs that do not exceed the rating you specify. When the Parental Control is set, DVD discs that support this feature will play only after the password has been entered. However, typically only discs produced by major entertainment companies support Parental Control. You can choose from eight levels of Parental Control, corresponding to the standard rating system in the USA. You will need to enter a valid password before making changes to Parental Control settings. The factory password - 1379 - will always be a valid password. You can also use a New Password which you can create. Please refer to the Password section for further instructions.

! *Note on parental security*

Remember to keep in mind that the key to the Parental Control feature is the factory default password of 1379.

Consequently, your player may not be secure if this manual is accessible by your children.

The GENERAL SETUP PAGE



ANGLE MARK

Default setting: **On**

Requires disc to support the multi-angle feature, the Angle Mark continuously displays the current angle you're viewing on screen. Setting ANGLE MARK to **Off** will cancel continuous display, and the current angle will be displayed on-screen for just a few seconds after an angle change.

CAPTIONS

Default setting: **Off**

Setting CAPTIONS to **On** will display captions when Close Caption supporting discs are used. If you don't wish to automatically enable captions, set this option to **Off**.

SCREEN SAVER

Default setting: **Off**

Protect your portable player's LCD or TV's cathode-ray tube from "screen burn" that could result from a static image being displayed for a prolonged period. The Screen Saver will automatically start within a few minutes of video inactivity. To enable this function, set this option to **On**.

PBC

Default setting: **On**

Video CD's with PBC (Playback Control) contain menus on the disc which enable easy access to the contents of the disc. Select **Off** if you wish to disable this feature.

MEMORY

Default setting: **Off**

Allows you to restart a DVD movie from the last place played at a future time provided the DVD player continues to be in Stand-By mode. If you desire this feature to be enabled, set this option to **On.**

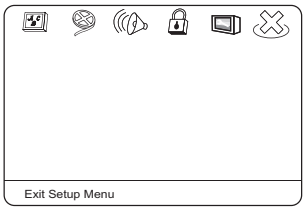
VERSION

Displays information about the unit's Firmware and Hardware versions. This information may be asked for by Tech Support for trouble-shooting purposes.

DEFAULT

If you would like to return all settings of your DVD Player's Setup to the factory defaults, choose **DEFAULT - RESET**. This will reset all values for General, Audio, Video and Language settings, with the exception of the Parental Control and Password. After all, the Parental Control and Password features would be of little use if your kids could simply clear

The EXIT SETUP PAGE



Press "Enter" on the remote control to exit the Setup Menu.

TROUBLESHOOTING

The Player Does Not Power On

- The AC Power cord may be loose or not plugged in. Make sure the power cord is secure in the AC socket.
- The Battery Pack power cable may be loose. Plug the power cable to unit firmly.
- The Power Switch may be in OFF position. Slide the Power Switch to ON.
- The Power of the Battery Pack may be exhausted. Recharge the Battery Pack.
- The unit may be in Standby Mode. Turn the unit on with the remote POWER button or PLAY/PAUSE/ENTER Button on the player.
- There must be a pause between powering the unit down and back on of a few seconds.
- Remove Battery Pack or AC Adapter to RESET the player.

A Specific Disc Does Not Play

- The disc may be dirty. Try cleaning the disc.
- Make sure the disc is not in upside-down
- The region code of the disc may not match that of the player. In this case, the disc cannot be used.
- Disc may not be industry standard.

The Remote Control Does Not Function

- Make sure you're aiming the remote directly at the player's remote sensor, located in the front display.
- Make sure there are no obstacles between the remote and the player.
- The batteries may be drained. Try changing the batteries in the remote.
- You could be using the remote too far away. Try within 4 meters of the player.
- Relocate the player to test if these is interference.

Subtitles not shown

- Press Remote Control Subtitle button to turn it on.
- Subtitles display only recorded on DVDs.

The Picture Appears Stretched or Squeezed

- The LCD Mode you are in may be wrong for the movie your're watching. Try changing the LCD setting to suit the movie's aspect ratio (Standard or Widescreen) (pg 29).
- The Video Aspect Ratio may be set wrong for your Television type.
- Enter the Setup Menu and select the Video Menu. Try changing the ASPECT setting to 4:3 PS (Pan&Scan) if you are using a standard TV, or 16:9 WS if your TV is a Wide-Screen type.

No Sound from TV or Speakers

- Once you close the unit's Disc Cover, the unit is still running, but No Sound comes out.
- Disc is Dirty or Damaged. Clean the Disc or change to another one.
- Volume Control is set to Minimum. Raise up the Volume.
- Headphones are connected. Pull out the Headphones.
- If you are using a Digital Receiver, check the Dolby setting in the player's Setup Menu (pg 36).
- Make sure the audio cables connecting the DVD player to your TV or receiver are secure.
- The movie is paused. There is no sound during Pause or Search modes.

No Image on the Built-in Screen

- Power isn't on. Turn on the Power.
- Video Mode setting may be in Video output to external monitor mode. Press MONITOR Button to change to Normal player operation.
- Make sure the player is not in LCD Off Mode.

Distorted Picture when Connected to a VCR

- This Player is built with Macrovision copy-protection. This will distort the signal when used with VCRs. Connect the player directly to the TV.

SPECIFICATIONS

PORTABLE DVD PLAYER

- 96 kHz / 24 bit D/A converter
- 7-inch Diagonal Widescreen (16:9) Color TFT LCD
- Built-in Stereo Speakers
- Playable Discs . . . . . DVD, Audio CD, VCD, SVCD, CD-R, CD-RW, JPG, MP3
- TV Systems Supported . . . . . NTSC/PAL, P-SCAN
- Laser 650nm
- DVD Linear Sound:
  48kHz Sampling . . . . . 4Hz to 88kHz
  96kHz Sampling . . . . . 4Hz to 44kHz
  Audio CD . . . . . 4Hz to 20kHz
- Signal to Noise Ratio . . . . . >65dB
- Audio Dynamic Range . . . . . <75dB
- Harmonic Distortion . . . . . < 0.015% (W.PEAK)
- Wow and Flutter . . . . . < 0.001% (W.PEAK)
- Connections:
  Component Video Out:
  Y . . . . . 1.0Vp-p (75 Ohm), Negative Sync
  Pb/Pr . . . . . .0.7Vp-p (75 Ohm)
  S-Video Out. . . . . Mini DIN 4-Pin (75 Ohm)
  Composite Video In/Out . . One Pin Jack, 1Vp-p (75 Ohm)
  Coaxial Digital Out. . . . . One Pin Jack, .5Vp-p (75 Ohm)
  Analog Audio In/Out. Two Pin Jacks 2.0VRMS (470 Ohm)
  Optical Digital Output : Optical Terminal
- Operating Conditions. . . . . 5°C to 35°C
- Power Supply . . . . . AC 100V ~240V,50/60Hz, 0.41A
- Power Supply. . . . . DC 9V, 2.2A
- Power Consumption . . . . . Normal: 15W, Standby: 0.63W
- Dimensions. . . . . 27mm x 185mm x 143mm (H x L x D)
- Weight . . . . . 1.3 lbs (600g)

.

EXTERNAL BATTERY

- 6 pieces cell with 1000mAh in 3P 2S configuration
- 80% initial capacity remaining after 300 cycles
- Maximum 2.5 hours, depending on usage
- Voltage . . . . . 7.4 V
- Capacity. 3000mAh
- Operating Temperature:
  Charging. . . . . 0 to 45°C
  Discharging . . . . . 0 to 60°C
  Storage . . . . . 0 to 60°C, RH = 60 ± 20%
- Internal Impedance . . . . . < 150m ohms
- Charging Time. . . . . 2.5~3.5 hours
- LED Indicator:
  Charging . . . . . Red
  Fully Charged . . . . . .Green
- Dimensions. . . . . 12mm x 177mm x 137mm (H x L x D)
- Weight 300g

.

**Specifications subject to change without notice. Part#: 707Bg*

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